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Reference	Product	Type	Primary Use	Dilution	Cleaning Method	COVID-19 Effectiveness	COSHH	PPE
PAN-001 	Bio-Hygiene All Purpose Sanitiser	Disinfectant Cleaner		 Pre-diluted	Spray onto cloth and wipe. No rinse required	 Independent pass to BS EN 14476	 Irritant	 Chemical resistant Gloves
PAN-002 	OdorBac Tec ⁴ unscented	All Purpose Cleaner / Viricidal Cleaner		 Trigger 1:10 Mops & Buckets (5L) 1:10-1:40	Use in trigger bottles, mop & bucket, extraction and scrubbing machines	 Independent pass to BS EN 1276 and BS EN 14476	Non hazardous	 Chemical resistant Gloves
PAN-003 	Clorox Commercial Solutions® Clorox® Total 360® Disinfectant Cleaner	Disinfectant Cleaner		 Prepared solution	Used directly through Electrostatic sprayer. Standing with the sprayer nozzle approximately 2-4 feet away from surfaces, spray individual surfaces and objects, working from high to low areas using a slow, side to side motion until surfaces are covered with disinfectant.	 Independent pass to BS EN 14476	 Irritant	 Chemical resistant Gloves & Safety Goggles

PAN-004 	Craftex Hand Gel (5l, 500ml, 250ml & 50ml) bottles	Hand Sanitiser		 Small amount as required	Apply product directly to hands, rub into hands, fingers and wrists	 Independent pass to BS EN 1276 and BS EN 14476	 Irritant & Flammable	None required for application
PAN -005 	SureSan Universal Wipes	Disinfectant Cleaner & Hand Sanitiser	 	 As required	Apply directly to hand and surface	 Independent pass to BS EN 14476, BS EN 1276 and BS EN 1650	Non hazardous	None required for application
PAN-006 	Cleanline Ultra Viricidal Disinfectant	Viricidal Disinfectant	        	 Pre-diluted	Spray onto cloth and wipe. No rinse required	 Independent pass to BS EN 1276, 13704, 1650, 14476 & 14675	 Irritant	 Chemical resistant Gloves & Safety Goggles

PAN-007 	Selgiene Ultra Viricidal Cleaner Concentrate	Viricidal Disinfectant		 Trigger 1:10 Mops & Buckets (5L) 1:40	Use in trigger bottles mop & bucket and scrubbing machines	 Independent pass to BS EN 1276, 13704, 1650, 14476 & 14675	 Corrosive	 Chemical resistant Gloves & Safety Goggles
PAN-008 	Selgiene Ultra Viricidal Cleaner Trigger	Viricidal Disinfectant		 Pre-diluted	Spray onto cloth and wipe. No rinse required	 Independent pass to BS EN 1276, 13704, 1650, 14476 & 14675	Not classified	 Chemical resistant Gloves & Safety Goggles
PAN-009 	Mirius V1 Antiviral Disinfectant	Viricidal Disinfectant		 Pre-diluted	Spray directly onto surface, leave for 5 minutes and then use a damp clean cloth to wipe	 Independent pass to BS EN 14476, BS EN 1276 and BS EN 13697	Non-hazardous	 Chemical resistant Gloves

COSHH & ENVIRONMENT ASSESSMENT FORM

PAN-001	Substance: BIOHYGIENE ALL PURPOSE SANITISER	
Date: 22/10/2020	Independent pass to BS EN 14476	
Physical Form	Clear blue liquid slightly perfumed	
Use of the Material	<p>All Purpose Sanitiser utilises eco-friendly, naturally derived, mild surfactants and a natural fermentation extract to produce an environmentally-responsible and sustainable cleaner and disinfectant.</p> <p>Approved to EN14476 against enveloped viruses for Coronavirus (e.g. SARS, MERS, COV-19), Poxviridae, Herpesviridae, Filoviridae (e.g. Ebola, Marburg), Flavivirus, Hepatitis C Virus (HCV), Hepatitis Delta Virus (HDV), Influenza Virus, Paramyxoviridae, Rubella Virus, Measles Virus, Rabies Virus, HIV, Human T Cell Leukemia Virus (HTLV), Hepatitis B virus (HBV)</p>	
Method of Use	<p>Wear appropriate personal protective equipment: protective gloves, safety glasses and protective clothing when handling undiluted product</p> <p>Spray and clean organic debris from the surface, spray and leave for 5 minutes before wiping away with a clean, damp cloth.</p>	
Quantity Used	Pre-diluted. Use as required	
Hazards Associated with the Material	<p>Classification under CLP: Eye Irrit. 2: H319</p> <p>Causes serious eye irritation.</p> <p>Precautionary statements: P102: Keep out of reach of children. P262: Do not get in eyes, on skin, or on clothing. P302+350: IF ON SKIN: Gently wash with plenty of soap and water. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313: If eye irritation persists: Get medical attention.</p>	
Can a Safer Alternative Be Used	Biohygiene is based from natural derived mild surfactants and as such is a suitable and safer alternative to all other disinfectants and sanitisers available.	
Persons Exposed, Method of Exposure and Risk Level	Operator	Low risk of splashing into the eyes, mitigated using eye PPE for prolonged use where risk of accidental splash is higher, users trained in safe handling and in correct application. User is trained to spray product directly onto cloth so risk of contact is low
	Indirectly	Low risk to third party as product is only to be handled by authorised users only and it is stored in locked cupboard when not in use. Risk reduced further as product is applied directly to cloth and is immediately safe to touch so suitable for use in public environments where control measures maintained

PPE Used	<p>Although SDS does not define PPE requirements as per JR&Co method control measures, the following PPE should be selected, checked and worn:</p> <p>Hand protection: Protective gloves.</p> <p>Eye protection: Safety glasses (for extended cleaning with higher splashing risk).</p> <p>Skin protection: Protective clothing.</p>  
Control Measures Used	<p>Product is to be handled by trained users only and stored safely when not in use</p> <p>Avoid direct contact and/or splashes where possible. Product to applied direct to cloth only (no misting) and protective gloves should always be worn in application</p> <p>Ventilate areas where possible</p>
First Aid Arrangements	<p>Skin contact: Wash immediately with plenty of soap and water.</p> <p>Eye contact: Immediately flush eyes with water for at least 15 minutes and seek medical attention if irritation develops.</p> <p>Ingestion: Rinse mouth and throat with water and give sips of water to drink. If symptoms persist, get medical attention.</p> <p>Inhalation: Remove victim to fresh air and seek medical attention if symptoms occur.</p>
Emergency Arrangements	<p>Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.</p> <p>Environmental precautions: Do not discharge into drains or rivers.</p> <p>Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.</p>
Name Of Assessor:	Rebecca Elliott
Approved By:	Virginia Schuldt

Product COSHH Safety Data Sheet

1. IDENTIFICATION OF PRODUCT

Product Name: BIOHYGIENE ALL PURPOSE SANITISER

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319

Most important adverse effects: Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark



Precautionary statements: P102: Keep out of reach of children.
P262: Do not get in eyes, on skin, or on clothing.
P302+350: IF ON SKIN: Gently wash with plenty of soap and water.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical attention.

Content 1

3. INFORMATION ON INGREDIENTS

Hazardous ingredients:

LACTIC ACID

EINECS	CAS	PBT / WEL	CLP Classification	Percent
201-196-2	79-33-4	-	Skin Irrit. 2: H315; Eye Dam. 1: H318	1-5%

4. FIRST AID MEASURES

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Immediately flush eyes with water for at least 15 minutes and seek medical attention if irritation develops.

Ingestion: Rinse mouth and throat with water and give sips of water to drink. If symptoms persist, get medical attention.

Inhalation: Remove victim to fresh air and seek medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. There may be pain and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Not applicable.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling requirements: Not applicable.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

8. PERSONAL PROTECTION/EXPOSURE CONTROLS

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Not applicable.

Respiratory protection: Respiratory protection not required.

Hand protection: Not applicable.

Eye protection: Avoid contact with the eyes.

Skin protection: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
 Colour: Colourless
 Odour: Pleasant
 Evaporation rate: No data available.
 Oxidising: No data available.
 Solubility in water: Soluble
 Viscosity: No data available.
 Boiling point/range°C: >100
 Flash point°C: No data available.
 Part.coeff. n-octanol/water: No data available.
 Autoflammability°C: No data available.
 Vapour pressure: No data available.
 Relative density: 1.01 g/cm³ pH: 2-3
 VOC g/l: No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
 Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: No data available.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. There may be pain and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: The preparation is readily biodegradable. The surfactants in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal operations: Small amounts of unwanted product may be flushed with water to sewer.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

Transport class: This product does not require a classification for transport.

15. REGULATORY INFORMATION:

Specific regulations: Not applicable.

16. OTHER INFORMATION

JR&Co COSHH issue 3: 22/10/2020

MSDS issue 1: 01/06/2015

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

COSHH & ENVIRONMENT ASSESSMENT FORM

PAN-002	Substance: <i>OdorBac Tec⁴</i>	
Date: 22/10/2020	Independent pass to BS EN 1276 and BS EN 14476	
Physical Form	Clear pale liquid	
Use of the Material	A multi - purpose cleaning product used no matter the surface or delivery method.	
Method of Use	<p>Do not carry out any cleaning activity without prior washing hands and selecting the appropriate PPE stipulated in this assessment.</p> <p>This assessment requires all operatives to wear chemical resistant gloves</p> <p>Use in trigger sprays, mop & bucket, extraction and scrubbing machines</p>	
Quantity Used	Dilute according to attended usage – see reverse label on bottle	
Hazards Associated with the Material	Exposure Route	Specific hazard of concentrated product
	Skin	None expected
	Eyes	May cause mild irritation
	Ingestion	Possible stomach upset
	Inhalation	Excessive inhalation or aerosolized product may cause mild irritation of the respiratory system
Can a Safer Alternative Be Used	No practical commercial alternatives exist, and physical methods cannot be used.	
Persons Exposed, Method of Exposure and Risk Level	Operator	Can cause eye irritation low risk – mitigated through use of PPE, user training and product being used in low quantities
	Indirectly	Low risk to third party as product is only to be handled by authorised users only and it is stored in locked cupboard when not in use. Risk reduced further as product is applied directly to cloth and is immediately safe to touch so suitable for use in public environments where control measures maintained
Control Measures Used	Minimum quantities used consistent with effective performance. Exposure timeframe limited, prior training and instruction and PPE worn as detailed below.	
PPE Used	No personal equipment is required but JR&Co require all operatives to wear full uniform and chemical resistant gloves	
First Aid Arrangements	Skin Contact:	In case of adverse (allergic) reaction, drench the affected area with running water for 10 minutes or longer if necessary.
	Eye Contact:	Bathe the eye with running water for 15 minutes and consult a doctor if deemed necessary
	Ingestion:	Give 1 pint of water to drink immediately and consult a doctor if deemed necessary. Do not induce vomiting
	Inhalation:	In case of adverse reaction, remove casualty from area of exposure
Emergency Arrangements	<p>Environmental Precautions: Avoid spilled material from entering storm drains or surface waterways.</p> <p>Clean-up Procedures: Follow company spillage instructions.</p>	
Name Of Assessor:	Rebecca Elliott	
Approved By:	Virginia Schuldt	

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Product COSHH Safety Data Sheet

1. IDENTIFICATION OF PRODUCT		
Product Name: OdorBac Tec⁴		
2. HAZARDS IDENTIFICATION		
Exposure Route	Specific hazard of concentrated product	
Skin	None expected	
Eyes	May cause mild irritation	
Ingestion	Possible stomach upset	
Inhalation	Excessive inhalation or aerosolized product may cause mild irritation of the respiratory system	
3. INFORMATION ON INGREDIENTS		
Chemical Nature	Health Hazard Classification	Concentration
Non-ionic surfactant	N/A in stated concentration	<5%
Oxidizing agent	N/A in stated concentration	<5%
Inorganic additive	N/A in stated concentration	<1%
Fragrance	N/A in stated concentration	<1%
4. FIRST AID MEASURES		
Skin Contact:	In case of adverse (allergic) reaction, drench the affected area with running water for 10 minutes or longer if necessary.	
Eye Contact:	Bathe the eye with running water for 15 minutes and consult a doctor if deemed necessary	
Ingestion:	Give 1 pint of water to drink immediately and consult a doctor if deemed necessary. Do not induce vomiting	
Inhalation:	In case of adverse reaction, remove casualty from area of exposure	
5. FIRE FIGHTING MEASURES		
Extinguishing Media: Water, Carbon Dioxide, polymer foam, dry chemical powder		
Exposure Hazards: May release oxygen on heating		
Protection of Fire Fighters: Wear standard firefighting protective clothing		
6. ACCIDENTAL RELEASE MEASURES		
Environmental Precautions: Avoid spilled material from entering storm drains or surface waterways.		
Clean-up Procedures: Follow company spillage instructions.		
7. HANDLING AND STORAGE		
Handling Requirements: Avoid direct contact with eyes. Avoid excessive direct inhalation. Do not ingest.		
Storage Conditions: Store in a cool well-ventilated area. Keep containers tightly closed.		
Suitable Packaging: Must only be kept in original packaging.		
8. PERSONAL PROTECTION/EXPOSURE CONTROLS		
Engineering Measures:	Refer to instructions for use. Handle and store with care to avoid spillage.	
Hand/Skin/Eye Protection:	Not a hazard in normal use. No personal protective equipment required.	
9. PHYSICAL AND CHEMICAL PROPERTIES		
State: Liquid Colour: Clear pale aqua Odour: None Solubility in Water: Miscible in all proportions Relative Density: 1.015 pH: 3-6		

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10. STABILITY AND REACTIVITY
General Stability: Stable under normal conditions Conditions to avoid: Extremes of temperature and light. Materials to avoid: Do not mix with any other chemical product Hazardous decomposition products: None. May release oxygen on heating
11. TOXICOLOGICAL INFORMATION
Acute Toxicity: This material is not expected to be toxic via dermal or oral exposures. In addition, there is not expected to be any irritation of the skin or eyes on contact with this product Sensitization: This product is not expected to cause sensitization Chronic effects: None known or expected Chronic Toxicity: None expected CMR effects: None expected
12. ECOLOGICAL INFORMATION
Ecotoxicity: This product is not expected to cause any significant adverse effects on the environment. Bioaccumulation: Not expected to bioaccumulate Mobility: Soluble in water Persistence and degradability: Readily biodegradable
13. DISPOSAL CONSIDERATIONS
Disposal Operations: Waste must be disposed of in accordance with Controlled Waste Regulations 1992 (+ amendments) Disposal of packaging: Return packaging to the supplier wherever possible for recycling. Dispose of as normal industrial waste. NB: Please ensure that you are aware of the possible existence of regional or national regulations regarding disposal.
14. TRANSPORT INFORMATION
No text available
15. REGULATORY INFORMATION:
Hazard Symbols: No significant Hazard Risk Phrases: None Safety Phrases: S2, S3/9/49 NB: The regulatory information given above only indicates the principle regulations specifically applicable to the product described in this material safety data sheet. The users attention is drawn to the possible existence of additional provisions. Refer to all applicable national, international and local regulations or provisions.
16. OTHER INFORMATION
JR&Co COSHH issue 4. 22/10/2020

COSHH & ENVIRONMENT ASSESSMENT FORM

PAN-003	Substance: Clorox Commercial Solutions® Clorox® Total 360® Disinfectant Cleaner1	
Date: 22/10/2020	Independent pass against a SARS-CoV-2 surrogate virus	
Physical Form	Liquid	
Use of the Material	Disinfectant and Sanitiser	
Method of Use	<p>Do not carry out any cleaning activity without prior washing hands and selecting the appropriate PPE stipulated in this assessment.</p> <p>Preparing the Spray Area</p> <p>Secure equipment and consider removing paper products from the area to be treated.</p> <p>Ensure that individuals without PPE are not present in the area to be treated.</p> <p>Don the appropriate PPE. Refer to SDS for specific PPE requirements.</p> <p>If needed, remove gross soil from surfaces using your facility's recommended protocols.</p> <p>Place signs or warning indicators outside the treatment area to indicate that cleaning is in progress.</p> <p>Operating Instructions</p> <p>Standing with the sprayer nozzle approximately 2–4 feet away from surfaces, spray individual surfaces and objects, working from high to low areas using a slow, side to side motion until surfaces are covered with disinfectant.</p> <p>When using Clorox® Total 360® Disinfectant Cleaner1, spray surfaces to ensure visible wetness for the desired contact time.</p> <p>Wiping is not required to ensure surface disinfection; however, you may choose to wipe specific surfaces to polish them (e.g., glass, mirrors) or to remove visible residue after the contact time is achieved.</p> <p>Bystanders can immediately enter the area after treatment is complete.</p> <p>This assessment requires all operatives to wear chemical resistant impervious gloves and goggles to protect skin & eye contact</p>	
Quantity Used	Product is ready to use – use as required	
Hazards Associated with the Material	<p>This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).</p> <p>Serious eye damage/eye irritation</p>	
Can a Safer Alternative Be Used	No practical commercial alternatives exist, and physical methods cannot be used.	
Persons Exposed, Method of Exposure and Risk Level	Operator	Medium risk of skin & eye contact. Risks are mitigated by the use of PPE, user training and safety checks prior to use
	Indirectly	Not used in areas with access by clients or the public. Area closed off or material used out of normal working hours. Very low risk as product is immediately safe to touch once applied. Product can be applied to all areas
Control Measures Used	Minimum quantities used consistent with effective performance. Limited exposure and PPE worn as detailed below.	

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PPE Used	<p>Individual protection measures, such as personal protective equipment</p> <p><i>Eye/face protection:</i> Avoid contact with eyes.</p> <p>Recommended use of eyewear protection when using through the Clorox Total 360 Electrostatic Sprayer.</p> <p><i>Skin and body protection:</i> Protective gloves recommended.</p> <p><i>Respiratory protection:</i> For prolonged use, use NIOSH approved respiratory protection when using through the Clorox Total 360 Electrostatic Sprayer: N95 respirator. Respiratory protection must be provided in accordance with current local regulations.</p> <p><i>Hygiene Measures:</i> Handle in accordance with good industrial hygiene and safety practice.</p>
First Aid Arrangements	<p>General Advice Show this safety data sheet to the doctor in attendance.</p> <p><i>Eye contact</i> IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.</p> <p><i>Skin contact</i> Wash skin with soap and water.</p> <p><i>Inhalation</i> Remove to fresh air.</p> <p><i>Ingestion</i> Rinse mouth. Drink plenty of water.</p>
Emergency Arrangements	<p>Methods for containment Prevent further leakage or spillage if safe to do so.</p> <p>Methods for cleaning up Pick up and transfer to properly labelled containers.</p>
Name Of Assessor:	Rebecca Elliott
Approved By:	Virginia Schuldt

Product COSHH Safety Data Sheet

1. IDENTIFICATION OF PRODUCT

Product Name: Clorox Commercial Solutions® Clorox® Total 360® Disinfectant Cleaner1

2. HAZARDS IDENTIFICATION

Causes serious eye irritation

3. INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	Trade Secret
Tetrasodium EDTA	64-02-8	1-5	*
Quaternary ammonium compounds, C12-18-alkyl[(ethylphenyl)methyl]dimethyl,	68391-01-5	0.1-1	*
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	85409-23-0	0.1-1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General Advice Show this safety data sheet to the doctor in attendance.

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin contact Wash skin with soap and water.

Inhalation Remove to fresh air.

Ingestion Rinse mouth. Drink plenty of water.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible products None known based on information supplied.

8. PERSONAL PROTECTION/EXPOSURE CONTROLS

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Recommended use of eyewear protection when using through the Clorox Total 360 Electrostatic Sprayer.

Skin and body protection Protective gloves recommended.

Respiratory protection For prolonged use, use NIOSH approved respiratory protection when using through the Clorox Total 360 Electrostatic Sprayer: N95 respirator. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state	Liquid	Color	No information available
Odor	No information available		
Odor Threshold	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	11.9	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	>100.9 C	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	

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Oxidizing properties

No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

No information available.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Product Information

Inhalation	Vapors may be irritating to eyes, nose, throat, and lungs.
Eye contact	Irritating to eyes.
Skin contact	May cause irritation.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	Inhalation LC50
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides 85409-23-0	-	-	-

Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	Eyes.
Aspiration Hazard	No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Tetrasodium EDTA 64-02-8		Bluegill (Lepomis macrochirus) 472-500 mg/l hours		

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

Dispose of contents/containers in accordance with local regulations.

Contaminated Packaging

Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT NOT REGULATED
TDG NOT REGULATED
ICAO NOT REGULATED
IATA NOT REGULATED
IMDG NOT REGULATED

15. REGULATORY INFORMATION:

International Inventories

TSCA

DSL

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard

Chronic Health Hazard

Fire Hazard

Sudden release of pressure hazard

Reactive Hazard

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

No information available.

EPA Pesticide Registration No.

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide label

CAUTION. Causes moderate eye irritation.

International Regulations

Canada

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION



NFPA	Health Hazards	1	Flammability	0	Instability	0	Physical and Chemical Hazards	-
HMIS	Health Hazards	1	Flammability	0	Physical Hazard	0	Personal Protection	X

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501


Issuing Date 14-Oct-2016
Revision Date 11-Sep-2019
Revision Note No information available

JR&Co COSHH issue 2. 22/10/2020

COSHH & ENVIRONMENT ASSESSMENT FORM

PAN-004	Substance: Craftex Hand Gel	
Date: 22/10/2020	Independent pass to BS EN 1276 and BS EN 14476	
Physical Form	Clear liquid gel	
Use of the Material	<p>Clean, care and protect your hands with Craftex Hand Gel, an effective 60% ethanol formulation.</p> <p>Ethanol destroys disease-causing agents and pathogens by breaking apart proteins, splitting cells into pieces and disarranging the cell's metabolism.</p>	
Method of Use	<p>Use a small amount and apply to hands directly:</p> 	
Quantity Used	Use as required. Product can be refilled into smaller containers or used with supplied pump dispenser	
Hazards Associated with the Material	<p>Classification under CLP: Eye Irrit. 2: H319; Flam. Liq. 2: H225</p> <p>Most important adverse effects: Causes serious eye irritation. Highly flammable liquid and vapour.</p> <p>Label elements:</p> <p>Hazard statements: H319: Causes serious eye irritation. H225: Highly flammable liquid and vapour.</p> <p>Hazard pictograms: GHS07: Exclamation mark GHS02: Flame</p>  <p>Signal words: Danger</p> <p>Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed. P264: Wash hands, forearms and face thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention. P403+P235: Store in a well-ventilated place. Keep cool.</p>	
Can a Safer Alternative Be Used	No safer ethanol or Propan-2-ol alternatives to hand gel exist which contain above 50% alcohol content	
Persons Exposed, Method of Exposure	Operator	<p>Low risk of splashing into the eyes when containers being refilled, mitigated by the use of PPE, safe handling and training in correct application.</p> <p>Product should only be applied to hands.</p>

and Risk Level	Indirectly	Product should be stored in suitable closed flammable protective storage. Only to be handled by authorised users only. Low risk if control measures maintained
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PPE Used	<p>When refilling and decanting gel, the following PPE should be selected, checked and worn in line with SDS and JR&CO policy:</p> <p>Hand protection: Protective gloves.</p> <p>Eye protection: Safety glasses.</p> <p>Skin protection: Protective clothing.</p> 
Control Measures Used	<p>Avoid direct contact and/or splashes where possible. Train personnel.</p> <p>Chemical-resistant protective gloves and goggles used when refilling containers</p> <p>Provide a good standard of general ventilation. Used outside of normal working hours and high traffic areas</p> <p>Store product in appropriate flammable retardant storage containers</p>
First Aid Arrangements	<p>Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin.</p> <p>Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.</p> <p>Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.</p> <p>Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.</p>
Emergency Arrangements	<p>Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Water spray. Dry chemical powder. Alcohol resistant foam. Carbon dioxide.</p> <p>Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.</p> <p>Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.</p>
Name Of Assessor:	Rebecca Elliott
Approved By:	Virginia Schuldt

Product COSHH Safety Data Sheet

1. IDENTIFICATION OF PRODUCT

Product Name: **Craftex Hand Gel**

3. HAZARDS IDENTIFICATION

Classification under CLP: Eye Irrit. 2: H319; Flam. Liq. 2: H225

Most important adverse effects: Causes serious eye irritation. Highly flammable liquid and vapour.

Label elements:

Hazard statements: H319: Causes serious eye irritation.

H225: Highly flammable liquid and vapour.

Hazard pictograms: GHS07: Exclamation mark

GHS02: Flame



Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P264: Wash hands, forearms and face thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P403+P235: Store in a well-ventilated place. Keep cool.

3. INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous ingredients:

ETHANOL - REACH registered number(s): 01-2119457610-43-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-578-6	64-17-5	-	Flam. Liq. 2: H225	50-70%

4. FIRST AID MEASURES

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Water spray. Dry chemical powder. Alcohol resistant foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes. Highly flammable. Forms explosive air-vapour mixture.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition. Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Ensure lighting and electrical equipment are not a source of ignition.

8. PERSONAL PROTECTION/EXPOSURE CONTROLS

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision

Workplace exposure limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920mg/m3	-	-	-

Respirable dust:

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Not applicable.

Eye protection: Safety glasses.

Skin protection: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Colourless
Odour: Alcoholic
Viscosity: Highly viscous
Flash point°C: < 23
pH: 8.00-8.50

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: No data available.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat. Flames. Sources of ignition. Direct sunlight.

10.5. Incompatible materials

Materials to avoid: Strong acids. Oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Hazardous ingredients:

ETHANOL

ORAL	RAT	LD50	10470	mg/kg
VAPOURS	RAT	4H LC50	116.9	mg/l

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous ingredients:

ETHANOL

ALGAE	72H ErC50	275	mg/l
DAPHNIA	48H EC50	5012	mg/l
FISH	96H LC50	14.2	g/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

14.1. UN number

UN number: UN1170

14.2. UN proper shipping name

Shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: D/E

Transport category: 2

15. REGULATORY INFORMATION:

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. OTHER INFORMATION

JR&Co COSHH issue 2 22/10/2020
MSDS issue 1: 09/03/2020

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

COSHH & ENVIRONMENT ASSESSMENT FORM

PAN-005	Substance: SureSan Antibacterial Universal Wet Wipes	
Date: 22/10/2020	Independent pass to BS EN 14476, BS EN 1276 and BS EN 1650	
Physical Form	Liquid wet tissues	
Use of the Material	Universal antibacterial wet tissues Super-soft, strong and absorbent hand & surface wipes tested to EN1276 (Bactericidal) and EN1650 (Fungicidal), Virucidal (EN14476)	
Method of Use	Select wet wipe and apply directly to hand and/or surface	
Quantity Used	As required	
Hazards Associated with the Material	Not classified and to our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.	
Can a Safer Alternative Be Used	No safer alternatives available for multi-purpose wipes	
Persons Exposed, Method of Exposure and Risk Level	Operator	Low risk provided appropriate hand hygiene practices are taken Prolonged or repeated contact may cause skin to become dry.
	Indirectly	Low risk as product is immediately safe to touch

PE Used	For normal application and in controlled environments, no PPE is required. As per JR&Co Company policy, employees should wear uniform and protective gloves
Control Measures Used	Avoid direct contact and/or splashes where possible. Train personnel. Chemical-resistant protective gloves and goggles used for extended use Provide a good standard of general ventilation. Used outside of normal working hours and high traffic areas where possible but product is also immediately safe to touch
First Aid Arrangements	First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. First-aid measures after eye contact: Rinse eyes with water as a precaution. First-aid measures after ingestion: Call a poison centre or a doctor if you feel unwell
Emergency Arrangements	Ventilate spillage area. Methods for cleaning up: Take up liquid spill into absorbent material. Other information: Dispose of materials or solid residues at an authorized site
Name Of Assessor:	Rebecca Elliott
Approved By:	Virginia Schuldt

Product COSHH Safety Data Sheet

1. IDENTIFICATION OF PRODUCT

Product Name: SureSan Antibacterial Wet Wipes

3. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

No additional information available

3. INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
BENZOIC ACID	(CAS-No.) 65-85-0 (EC-No.) 200-618-2 (EC Index-No.) 607-705-00-8	≤ 0.2	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 1, H372
BENZALKONIUM CHLORIDE	(CAS-No.) 8001-54-5 (EC-No.) 616-786-9	≤ 0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318
PHENOXYETHANOL	(CAS-No.) 122-99-6 (EC-No.) 204-589-7 (EC Index-No.) 603-098-00-9	≤ 0.1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319

Full text of H-statements: see section 16

4. FIRST AID MEASURES

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects after skin contact : Prolonged or repeated contact may cause skin to become dry.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use water jet.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

- Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

- For further information refer to section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. **Always** wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

- No additional information available

8. PERSONAL PROTECTION/EXPOSURE CONTROLS

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Wet tissues.
Colour	: White.
Odour	: According to product specification.
Odour threshold	: No data available
pH	: 5.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

PHENOXYETHANOL (122-99-6)

LD50 oral rat	1850 mg/kg
LD50 dermal rabbit	> 5000 mg/kg bw/day
LC50 inhalation rat (mg/l)	> 1000 mg/m ³

BENZOIC ACID (65-85-0)

LD50 oral	2565 mg/kg bodyweight
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Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 5.5

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 5.5

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

12. ECOLOGICAL INFORMATION

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified
Not rapidly degradable	

PHENOXYETHANOL (122-99-6)

LC50 other aquatic organisms 1	220 – 460 mg/l
EC50 Daphnia 1	> 500 mg/l
NOEC (chronic)	23 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

14. TRANSPORT INFORMATION

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

15. REGULATORY INFORMATION:

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.


Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

16. OTHER INFORMATION

JR&Co COSHH issue 2. 22/10/2020

MSDS issue 1: 04/03/2020

COSHH & ENVIRONMENT ASSESSMENT FORM

PAN-006	Substance: Cleanline Ultra Disinfectant (Trigger)	
Date: 22/10/2020	Independent pass to BS EN 1276, 13704, 1650, 14476 & 14675	
Physical Form	Clear Liquid	
Use of the Material	<p>Suitable for the disinfection of hard surfaces in hospitals, long term care facilities, institutions, restaurants, food processing plants and schools</p> <p>Independently tested to European Standard Test Method EN 1276:2019, EN 14476 and EN 13697.</p>	
Method of Use	<p>Wear appropriate personal protective equipment: disposable gloves, safety goggles and JR&Co uniform.</p> <p>Apply product directly to cloth (DO NOT SPRAY DIRECTLY ONTO SURFACE) no rinse required</p>	
Quantity Used	Pre-diluted. Use as required	
Hazards Associated with the Material	<p>Label elements:</p> <p>Hazard statements: H319: Causes serious eye irritation.</p> <p>Hazard pictograms: GHS07: Exclamation mark</p>  <p>Signal words: Warning</p> <p>Precautionary statements: P264: Wash hands, forearms and face thoroughly after handling.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313: If eye irritation persists: Get medical advice/attention.</p>	
Can a Safer Alternative Be Used	No safer alternatives available that are BS EN 14476	
Persons Exposed, Method of Exposure and Risk Level	Operator	Low risk of splashing into the eyes, mitigated by the use of eye PPE for prolonged use, users trained in safe handling and in correct application. User is trained to spray product directly onto cloth so risk of contact is low

	Indirectly	Low risk to third party as product is only to be handled by authorised users only and it is stored in locked cupboard when not in use. Risk reduced further as product is applied directly to cloth and is immediately safe to touch so suitable for use in public environments where control measures maintained
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PPE Used	<p>The following PPE should be worn:</p> <p>Hand protection: Protective gloves.</p> <p>Skin protection: Protective clothing.</p> <p>Eye Protection: Safety glasses</p>
Control Measures Used	<p>Product is to be handled by trained users only and stored safely when not in use</p> <p>Avoid direct contact and/or splashes where possible. Product to applied direct to cloth only (no misting) and protective gloves should always be worn in application</p> <p>Ventilate areas where possible</p>
First Aid Arrangements	<p>Skin contact: Wash immediately with plenty of soap and water.</p> <p>Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.</p> <p>Ingestion: Wash out mouth with water.</p> <p>Inhalation: Not applicable.</p>
Emergency Arrangements	<p>For spills mark out contaminated area with signs, and prevent unauthorised access. Absorb into dry earth or sand</p> <p>Suitable water spray extinguishers should be used to cool containers.</p>
Name Of Assessor:	Rebecca Elliott
Approved By:	Virginia Schuldt

Product COSHH Safety Data Sheet

1. IDENTIFICATION OF PRODUCT

Product Name: Cleanline Ultra Disinfectant (Trigger)

3. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319

Most important adverse effects: Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

Precautionary statements: P264: Wash hands, forearms and face thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

3. INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous ingredients:

DIDECYLDIMETHYLAMMONIUM CHLORIDE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
230-525-2	7173-51-5	-	Acute Tox. 4: H302; Skin Corr. 1B: H314; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 2: H411	<1%

4. FIRST AID MEASURES

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water.

Inhalation: Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

8. PERSONAL PROTECTION/EXPOSURE CONTROLS

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin protection: Wear appropriate clothing to prevent any possibility of skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Characteristic odour

pH: 11

10. STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated

STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

12. ECOLOGICAL INFORMATION

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision

12.1. Toxicity

Hazardous ingredients:

DIDECYLDIMETHYLAMMONIUM CHLORIDE

Brachydanio rerio	96H LC50	0.49	mg/l
Daphnia	48H EC50	0.03	mg/l
Selenastrum capricornutum	96H EC50	0.06	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

Transport class: This product does not require a classification for transport.

15. REGULATORY INFORMATION:

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. OTHER INFORMATION

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision

JR&Co COSHH issue 1: 15/06/2020

MSDS issue 1: 04/03/2020

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.


H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.



H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

COSHH & ENVIRONMENT ASSESSMENT FORM

PAN-007	Substance: Selgiene Ultra Virucidal Cleaner Concentrate
Date: 22/10/2020	Independent pass to BS EN 1276, 13704, 1650, 14476 & 14675
Physical Form	Purple Liquid
Use of the Material	<p>Selgiene Ultra cleans and sanitises frequently touched items such as door handles, tables, banisters etc. and is suitable for damp mopping floors. Independently proven to kill the HIV, Hepatitis C and H1N1 Influenza viruses. Also certified to kill Clostridium difficile, MRSA and common food poisoning bacteria including Salmonella typhimurium, Listeria monocytogenes and Escherichia</p> <p>Independently tested to European Standard Test Method EN 1276, 13704, 1650, 14476 & 14675 & Manufactured in the UK to ISO 9001, 14001 & 18001</p>
Method of Use	<p>Wear appropriate personal protective equipment: disposable gloves, safety goggles and JR&Co uniform.</p> <p>For damp mopping and killing HIV or food poisoning bacteria dilute 1 part Selgiene Ultra with 40 parts warm water. Mop or wipe surfaces down as normal and leave to air dry.</p> <p>For protection against other surface bacteria dilute 1 part Selgiene Ultra in 10 parts water and trigger spray onto surfaces. Wipe with a cloth and leave to air dry.</p> <p>Heavily soiled surfaces should be cleaned prior to disinfecting.</p>
Quantity Used	<p>1:40 damp mopping</p> <p>1:10 trigger</p>
Hazards Associated with the Material	<p>Hazard pictograms (CLP)</p> <p>Signal word (CLP)</p> <p>Hazard statements (CLP)</p> <div style="text-align: center;">  <p>GHS05</p> <p>Danger</p> <p>H315 - Causes skin irritation</p> <p>H318 - Causes serious eye damage</p> </div>
Can a Safer Alternative Be Used	No safer alternatives available that are tested to EN BS standard test methods

Persons Exposed, Method of Exposure and Risk Level	Operator	Low risk of splashing into the eyes and contact with skin, mitigated by the use of eye and hand PPE, users trained in safe handling and in correct application. Product diluted using pelican pump and user is trained to spray product directly onto cloth so risk of contact is low
	Indirectly	Low risk to third party as product is only to be handled by authorised users only and it is stored in locked cupboard when not in use. Risk reduced further as product is applied directly to cloth and is immediately safe to touch so suitable for use in public environments where control measures maintained

PPE Used	<p>Materials for protective clothing : Not required for normal conditions of use</p> <p>Hand protection : Protective gloves</p> <p>Eye protection : Safety glasses</p> <p>Skin and body protection : Not required for normal conditions of use</p> <p>Respiratory protection : Not required for normal conditions of use</p>  
Control Measures Used	<p>Product is to be handled by trained users only and stored safely when not in use. Product should only be diluted with use of appropriate pelican pump and funnel. When diluted into trigger bottles, trigger bottles must be labelled and dated.</p> <p>Avoid direct contact and/or splashes where possible. Product to applied direct to cloth only (no misting) and protective gloves and goggles should always be worn in application</p> <p>Ventilate areas where possible</p>
First Aid Arrangements	<p>First-aid measures general : Get medical advice/attention if you feel unwell.</p> <p>First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.</p> <p>First-aid measures after skin contact : Wash with plenty of soap and water.</p> <p>First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.</p> <p>First-aid measures after ingestion : Give nothing or a little water to drink. Get medical advice/attention if you feel unwell.</p>
Emergency Arrangements	<p>For spills mark out contaminated area with signs, and prevent unauthorised access. Absorb with inert solids, such as clay or diatomaceous earth as soon as possible</p> <p>Suitable Carbon dioxide. Dry powder. Foam extinguishers should be used</p>
Name Of Assessor:	Rebecca Elliott
Approved By:	Virginia Schuldt

Product COSHH Safety Data Sheet

1. IDENTIFICATION OF PRODUCT

Product Name: Selgiene Ultra Virucidal Cleaner Concentrate

3. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315

Eye Dam. 1 H318

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H315 - Causes skin irritation
H318 - Causes serious eye damage

Precautionary statements (CLP)

: P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective gloves
P302+P352 - IF ON SKIN: Wash with plenty of soap, water
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P315 - Get immediate medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse

3. INFORMATION ON INGREDIENTS

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alcohol Alkoxyate	(CAS No) 166736-08-9	1 - 5	Xn; R22 Xi; R41	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(CAS No) 68424-85-1 (EC no) 270-325-2 (REACH-no) 01-2119965180-41	1 - 5	Xn; R22 C; R34 N; R50	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Aquatic Acute 1, H400
didecyltrimethylammonium chloride	(CAS No) 7173-51-5 (EC no) 230-525-2 (EC index no) 612-131-00-6	1 - 5	Xn; R22 C; R34	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314

Full text of R- and H-statements: see section 16

4. FIRST AID MEASURES

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision

4.1 Description of first aid measures

First-aid measures general	Get medical advice/attention if you feel unwell
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing
First-aid measures after skin contact	Wash with plenty of soap and water
First-aid measures after eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
First-aid measures after ingestion	Give nothing or a little water to drink. Get medical advice/attention if you feel unwell

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	May cause respiratory irritation
Symptoms/injuries after skin contact	Repeated exposure may cause skin dryness or cracking
Symptoms/injuries after eye contact	Causes eye irritation
Symptoms/injuries after ingestion	May cause a light irritation of the linings of the mouth, throat and gastrointestinal tract

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

No additional information available

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes.

Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Does not require any specific or particular technical measures.

Storage conditions : Keep container closed when not in use.

Incompatible products : Oxidizing agent. Strong acids. Strong bases.

Special rules on packaging : Keep only in original container.

7.3. Specific end use(s)

No additional information available

8. PERSONAL PROTECTION/EXPOSURE CONTROLS

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision

8.1. Control parameters

No additional information available

8.2. Exposure controls

Materials for protective clothing	: Not required for normal conditions of use
Hand protection	: Protective gloves
Eye protection	: Safety glasses
Skin and body protection	: Not required for normal conditions of use
Respiratory protection	: Not required for normal conditions of use



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Purple.
Odour	: Floral.
Odour threshold	: No data available
pH	: 10
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.04
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation. pH: 10
Serious eye damage/irritation	: Causes serious eye damage. pH: 10
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Alcohol Alkoxylate (166736-08-9)	
LC50 fish 1	> 10 - 100 mg/l
EC50 Daphnia 1	> 10 - 100 mg/l
ErC50 (other aquatic plants)	> 10 - 100 mg/l
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
ErC50 (algae)	< mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

13. DISPOSAL CONSIDERATIONS

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision

13.1. Waste treatment methods

No additional information available

14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION:

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

16. OTHER INFORMATION

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision


JR&Co COSHH issue 1: 18/06/2020

MSDS version 10.1 22/02/2019

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H400	Very toxic to aquatic life

COSHH & ENVIRONMENT ASSESSMENT FORM

PAN-008	Substance: Selgiene Ultra Virucidal Cleaner Trigger	
Date: 22/10/2020	Independent pass to BS EN 1276, 13704, 1650, 14476 & 14675	
Physical Form	Purple Liquid	
Use of the Material	<p>Selgiene Ultra cleans and sanitises frequently touched items such as door handles, tables, banisters etc. and is suitable for damp mopping floors. Independently proven to kill the HIV, Hepatitis C and H1N1 Influenza viruses. Also certified to kill Clostridium difficile, MRSA and common food poisoning bacteria including Salmonella typhimurium, Listeria monocytogenes and Escherichia</p> <p>Independently tested to European Standard Test Method EN 1276, 13704, 1650, 14476 & 14675 & Manufactured in the UK to ISO 9001, 14001 & 18001</p>	
Method of Use	<p>Although SDS does not specify the use of PPE as per JR&Co applicable policy & RAMS, users should wear JR&Co Uniform and chemical resistant gloves</p> <p>Product is ready to use, spray directly onto cloth and wipe surfaces down as normal and leave to air dry.</p> <p>Heavily soiled surfaces should be cleaned prior to disinfecting.</p>	
Quantity Used	Pre-diluted. Use as required	
Hazards Associated with the Material	<p>Hazard pictograms (CLP)</p>  <p>Signal word (CLP): Danger</p> <p>Hazard statements (CLP): H315 – Causes skin irritation H317 – Causes serious eye damage</p>	
Can a Safer Alternative Be Used	No safer alternatives available that are tested to EN BS standard test methods	
Persons Exposed, Method of Exposure and Risk Level	Operator	Low risk of splashing into the eyes, mitigated by the use of eye and hand PPE, users trained in safe handling and in correct application. Product is pre-diluted and user is trained to spray product directly onto cloth so risk of contact is low
	Indirectly	Low risk to third party as product is only to be handled by authorised users only and it is stored in locked cupboard when not in use. Risk reduced further as product is applied directly to cloth and is immediately safe to touch so suitable for use in public environments where control measures maintained

COSHH information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This register is to be used for supplemental purposes during a Pandemic outbreak. Products to be used are subject to change dependent on availability and changes to legislation and guidance. COSHH Assessments shall be reviewed on an annual basis and/ or following legislative and manufacturer revision

PPE Used	Although SDS does not specify the use of PPE as per JR&Co applicable policy & RAMS, users should wear JR&Co Uniform and chemical resistant gloves	
Control Measures Used	<p>Product is to be handled by trained users only and stored safely when not in use..</p> <p>Avoid direct contact and/or splashes where possible. Product to applied direct to cloth only (no misting) and protective gloves and goggles should always be worn in application</p> <p>Ventilate areas where possible</p>	
First Aid Arrangements	First-aid measures general	Get medical advice/attention if you feel unwell
	First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing
	First-aid measures after skin contact	Wash with plenty of soap and water
	First-aid measures after eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
	First-aid measures after ingestion	Give nothing or a little water to drink. Get medical advice/attention if you feel unwell
Emergency Arrangements	<p>For spills mark out contaminated area with signs, and prevent unauthorised access. Absorb with inert solids, such as clay or diatomaceous earth as soon as possible</p> <p>Suitable Carbon dioxide. Dry powder. Foam extinguishers should be used</p>	
Name Of Assessor:	Rebecca Elliott	
Approved By:	Virginia Schuldt	

Product COSHH Safety Data Sheet

1. IDENTIFICATION OF PRODUCT	
Product Name:	Selgiene Ultra Virucidal Cleaner Trigger
2. HAZARDS IDENTIFICATION	
2.1 Classification of the substance of mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures SDS < 2015: Show CLP information only Not determined Adverse physicochemical, human health and environmental effects No additional information available 2.2 Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable 2.3 Other Hazards No additional information available	
3. INFORMATION ON INGREDIENTS	
3.1 Substances Not applicable 3.2 Mixtures This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II	
4. FIRST AID MEASURES	
4.1 Description of first aid measures	
First-aid measures general	Get medical advice/attention if you feel unwell
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing
First-aid measures after skin contact	Wash with plenty of soap and water
First-aid measures after eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
First-aid measures after ingestion	Give nothing or a little water to drink. Get medical advice/attention if you feel unwell
4.2 Most important symptoms and effects, both acute and delayed	
Symptoms/injuries after inhalation	May cause respiratory irritation
Symptoms/injuries after skin contact	Repeated exposure may cause skin dryness or cracking
Symptoms/injuries after eye contact	Causes eye irritation
Symptoms/injuries after ingestion	May cause a light irritation of the linings of the mouth, throat and gastrointestinal tract
4.3 Indication of any immediate medical attention and special treatment needed	
Treat symptomatically	

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5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide. Dry powder. Foam

5.2 Special hazards arising from substance or mixture

No additional information available

5.3 Advice for firefighters

No additional information available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel

6.1.2 For emergency responders

Protective equipment: Use personal protective equipment as required.

6.2 Environmental precautions

Avoid release to the environment

6.3 Methods and materials for containment and cleaning up

For containment: Collect spillage.

Methods for cleaning up: Soak up spills with inert solids such as clay or diatomaceous earth as soon as possible

6.4 Reference to other sections

For further information refer to section 8 exposure control/personal protection for further information refer to section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: avoid direct contact with eyes

Hygiene measures: do not eat, drink or smoke when using this product

7.2 Conditions for safe storage, including any incompatibilities

Technical measures: Does not require any specific or particular technical measures

Storage conditions: Keep container closed when not in use

Incompatible products: Oxidising agent. Strong acids. Strong bases

Special rules on packaging: Keep only in original container

7.3 Specific end use(s)

No additional information available

8. PERSONAL PROTECTION/EXPOSURE CONTROLS

8.1 Control parameters

No additional information available

8.2 Exposure controls

No additional information available

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: liquid

Appearance: liquid

Colour: purple

Order: floral

Out of threshold: no data available

PH: 10

Relative evaporation rate (butylacetate=1): no data available

Melting point: no data available

Freezing point: no data available

Boiling point: no data available

Flashpoint: no data available

Autoignition temperature: no data available

Decomposition temperature: no data available

Flammability (solid, gas): no data available

Vapour pressure: no data available

Relative vapour density at 20°C: no data available

Relative density: 1

10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional information available

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No additional information available

10.4 Conditions to avoid

No additional information available

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

No additional information available

11. TOXICOLOGICAL INFORMATION

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified
Skin corrosion/irritation:	Not classified pH: 10
Serious eye damage/irritation:	Not classified pH: 10
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified
Vaporizer	Container fitted with a sealed spray attachment

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute aquatic toxicity: Not classified

Chronic aquatic toxicity: Not classified

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

No additional information available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

No additional information available

14. TRANSPORT INFORMATION

In accordance with ADR/ RID / IMDG / IATA / AND

14.1 UN number

Not regulated for transport

14.2 UN proper shipping name

Proper Shipping Name (ADR): Not applicable

Proper Shipping Name (IMDG): Not applicable

Proper Shipping Name (IATA): Not applicable

14.3 Transport hazard class(es)

ADR Transport hazard class(es) (ADR): Not applicable

ADR Transport hazard class(es) (IMDG): Not applicable

ADR Transport hazard class(es) (IATA): Not applicable

14.4 Packaging group

Packing group (ADR): Not applicable

Packing group (IMDG): Not applicable

Packing group (IATA): Not applicable

14.5 Environmental hazards

Dangerous for the environment: No

Marine pollutant: No

Other information: No supplementary information available

14.6 Special precautions for user

Overland transport: No data available

Transport by sea: No data available

Air Transport: No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2 National regulations

No additional information available

15.2 Chemical safety assessment

No additional information available

16. OTHER INFORMATION


JR&Co COSHH issue 1: 18/06/2020

MSDS version 10.1 27/06/2019

No additional information available

COSHH & ENVIRONMENT ASSESSMENT FORM

PAN-009	Substance: Mirius V1 750ML SUPER PROFESSIONAL ANTIVIRAL DISINFECTANT	
Date: 22/10/2020	Independent pass to BS EN 14476, BS EN 1276 and BS EN 13697	
Physical Form	Clear, colourless liquid	
Use of the Material	Suitable for use on most non-porous surfaces and when used as directed, leaves treated surfaces safe for human contact	
Method of Use	Turn nozzle to "on" position and spray directly onto surface and leave for a minimum of 5 minutes before wiping with a clean damp cloth As per JR&Co company policy, operatives should always wear uniforms and gloves	
Quantity Used	As required	
Hazards Associated with the Material	None classified	
Can a Safer Alternative Be Used	No practical commercial alternatives exist and physical methods cannot be used.	
Persons Exposed, Method of Exposure and Risk Level	Operator	Low risk of skin contact during pouring as long as the pouring is carefully carried out; risks of skin contact are mitigated by the use of PPE. Low risk of splashing into the eyes as bottle spout for squirting points downward away from the face. Training in correct application.
	Indirectly	Low risk to third party as product is only to be handled by authorised users only and it is stored in locked cupboard when not in use. Risk reduced further as product is immediately safe to touch so suitable for use in public environments where control measures maintained

PPE Used	Hand protection: Protective gloves. Eye protection: Not required in normal application Skin protection: Protective clothing.	
Control Measures Used	Avoid direct contact and/or splashes where possible. Train personnel. Chemical-resistant protective gloves Provide a good standard of general ventilation. Product stored securely in between use	
First Aid Arrangements		

	<p>Inhalation</p> <p>Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.</p> <p>Ingestion</p> <p>Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.</p> <p>Skin contact</p> <p>Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.</p> <p>Eye contact</p> <p>Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.</p>
Emergency Arrangements	<p>Suitable extinguishing media: The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.</p> <p>Methods for cleaning up Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses</p>
Name Of Assessor:	Rebecca Elliott
Approved By:	Virginia Schuldt

Product COSHH Safety Data Sheet

1. IDENTIFICATION OF PRODUCT

Product Name:

Mirius V1

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

Precautionary statements P264 Wash contaminated skin thoroughly after handling.
P262 Do not get in eyes, on skin, or on clothing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with local regulations.

Biocide Labelling This product contains substances with biocidal properties. Contains active substance: Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)), 0.125g/100g

Detergent labelling < 5% disinfectants

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. INFORMATION ON INGREDIENTS

Composition comments: None of the ingredients are required to be listed.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact Prolonged contact may cause redness, irritation and dry skin.

Eye contact May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

6. ACCIDENTAL RELEASE MEASURES

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Personal precaution: For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.

Environmental precautions: Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

Methods for cleaning up: Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions	Provide adequate ventilation. Avoid contact with skin and eyes.
Advice on general occupational hygiene	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place.
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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8. PERSONAL PROTECTION/EXPOSURE CONTROLS

Ingredient comments: None of the ingredients are required to be listed.

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)) (CAS: 68424-85-1)

DNEL	<p>Workers - Dermal; Long term systemic effects: 5.7 mg/kg/day</p> <p>Workers - Inhalation; Long term systemic effects: 3.96 mg/m³</p> <p>General population - Oral; Long term systemic effects: 3.4 mg/kg/day</p> <p>General population - Dermal; Long term systemic effects: 3.4 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 1.64 mg/m³</p>
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PNEC	<p>- Fresh water; 0.001 mg/l</p> <p>Intermittent release, Fresh water; 0 mg/l</p> <p>marine water; 0.001 mg/l</p> <p>STP; 0.4 mg/l</p> <p>Sediment (Freshwater); 12.27 mg/kg</p> <p>Sediment (Marinewater); 13.09 mg/kg</p> <p>Soil; 7 mg/kg</p>
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8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	No specific eye protection required during normal use.
Hand protection	For users with sensitive skin, it is recommended that suitable protective gloves are worn.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate skin cream to prevent drying of skin.
Hygiene measures	When using do not eat, drink or smoke. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.
Respiratory protection	Respiratory protection not required.
Environmental exposure controls	Avoid releasing into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Not applicable
pH:	≈10(neat)
Solubility:	Soluble in water

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not applicable.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

11. TOXICOLOGICAL INFORMATION

Toxicological effects Information given is based on data of the components and of similar products.

General information This product has low toxicity.

Inhalation No specific health hazards known.

Ingestion May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.

Skin contact Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

Eye contact May cause temporary eye irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity There are no data on the ecotoxicity of this product. Not regarded as dangerous for the environment.

Toxicity Not considered toxic to fish.

Mobility The product is water-soluble and may spread in water systems.

Results of PBT and vPvB assessment: This product does not contain any substances classified as PBT or vPvB

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible.

Disposal methods The packaging must be empty (drop-free when inverted). Wash with plenty of water. Waste packaging should be collected for reuse or recycling. Refer to manufacturer/supplier for information on recovery/recycling. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. TRANSPORT INFORMATION

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

15. REGULATORY INFORMATION:

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National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended). EH40/2005 Workplace exposure limits

EU legislation

Commission Regulation (EU) No 2015/830 of 28 May 2015.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

Guidance

Workplace Exposure Limits EH40.
COSHH Essentials.
ECHA Guidance on the Application of the CLP Criteria.
ECHA Guidance on the compilation of safety data sheets.

16. OTHER INFORMATION

SDS code: 21992
JR&Co COSHH issue 2: 22/10/2020
MSDS issue 1: 04/03/2020