

emesso	ID	Titolo
UT	ST 105.39	OLIO V-LIFE
revisione	Data	
A	1/2018	Commenti

This Safety Data Sheet complies with the Regulation n.830/2015



1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : V-LIFE

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Lubricant
 Recommended restrictions on use : Reserved for industrial and professional use

1.3 Details of the supplier of the safety data sheet

Company: Ing. Enea Mattei S.p.A.
 Strada Padana Superiore, 307 - 20090 Vimodrone – ITALY
 Tel. (+39) 02.25305.1 r.a. – Fax (+39) 02.25305243
 e-mail: progettazione@mattei.it contact: Ing. Enea Mattei S.p.A.
 Emergency telephone number: Poison Center - Ospedale Niguarda Milano – ITALY - Tel. +39 02-66101029

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P273 Avoid release to the environment.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling:

EUH208 Contains: N-1-naphthylaniline. May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
N-1-naphthylaniline	90-30-2 201-983-0 01-2119488704-27-xxxx	Acute Tox.4; H302 Skin Sens.1; H317 STOT RE2; H373 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0.25 - < 1

For explanation of abbreviations see section 16.

4. First aid measures

4.1 Description of first aid measures

If inhaled :	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a physician or poison control centre immediately. If breathing is difficult, give oxygen. Keep respiratory tract clear.
In case of skin contact :	Wash off with soap and plenty of water. If symptoms persist, call a physician. Take off contaminated clothing and wash before reuse.
In case of eye contact :	If eye irritation persists, consult a specialist.
If swallowed :	Rinse mouth with water. If victim is fully conscious, give a cupful of water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not give milk or alcoholic beverages. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water mist
Alcohol-resistant foam
Carbon dioxide (CO₂)

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Burning produces noxious and toxic fumes.



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5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear full protective clothing and self-contained breathing apparatus.

Further information :

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions :

Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Material can create slippery conditions.

6.2 Environmental precautions

Environmental precautions :

If the product contaminates rivers and lakes or drains inform respective authorities.
Avoid release to the environment.
The product should not be allowed to enter drains, water courses or the soil.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up :

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling :

For personal protection see section 8.

Advice on protection against fire and explosion :

Normal measures for preventive fire protection.

Hygiene measures :

General industrial hygiene practice.

Dust explosion class :

No data available

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

Keep container tightly closed in a dry and well-ventilated place.

Storage period :

5 y

Other data :

Keep in a dry place.

7.3 Specific end use(s)

Specific use(s) :

Lubricant

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8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Component	End Use	Exposure routes	Potential health effects	Value:
N-1-naphthylaniline	Workers	Dermal	Long-term systemic effects	0.12 mg/kg
	Workers	Inhalation	Long-term systemic effects	0.41 mg/m3
	General exposures	Ingestion	Long-term systemic effects	0.06 mg/kg
	General exposures	Dermal	Long-term systemic effects	0.06 mg/kg
	General exposures	Inhalation	Long-term systemic effects	0.1 mg/m3

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Component	Environmental Compartment	Value
N-1-naphthylaniline	Fresh water	Value: 0.0002 mg/l
	Marine water	Value: 0.00002 mg/l
	Fresh water sediment	Value: 0.0344 mg/kg
	Marine sediment	Value: 0.00344 mg/kg
	Soil	Value: 0.0068 mg/kg
	STP	Value: 100 mg/l

8.2 Exposure controls

Personal protective equipment

Eye protection :	Tightly fitting safety goggles.
Hand protection:	For prolonged or repeated contact use protective gloves. Polyvinyl alcohol or nitrile- butyl-rubber gloves Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Skin and body protection :	Protective suit
Respiratory protection :	No personal respiratory protective equipment normally required. Use respiratory protective equipment when using this product at elevated temperatures (see section 8)

Environmental exposure controls

General advice :	If the product contaminates rivers and lakes or drains inform respective authorities.,release to the environment., The product should not be allowed to enter drains, water courses or the soil.
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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance :	oily liquid
Colour :	yellow
Odour :	ester-like
Odour Threshold :	Not relevant
Melting point/freezing point :	No data available
Boiling point/boiling range :	No information available.
Flash point :	> 230 °C
Vapour pressure :	No data available
Relative density :	0.953 (15 °C)
Solubility(ies)	
Water solubility :	Not applicable
Solubility in other solvents :	No data available
Partition coefficient: n- octanol/water:	No data available
Viscosity, dynamic :	No data available
Viscosity, kinematic :	97.8 cSt (40 °C)

9.2 Other information

Self-Accelerating decomposition temperature(SADT):	GLP: No information available.
Dust explosion class:	No data available
Oxidizing potential:	No information available.

10. Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

10.4 Conditions to avoid

Conditions to avoid : Contamination

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

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11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

N-1-naphthylaniline:

Acute oral toxicity :

LD50 (Rat): 1,625 mg/kg

Acute dermal toxicity :

LD50 Dermal (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Components:

N-1-naphthylaniline:

Species: Rabbit

Method: Draize Test

Result: No skin irritation

Serious eye damage/eye irritation

Components:

N-1-naphthylaniline:

Species: Rabbit

Method: OECD Test Guideline 405

Result: No eye irritation

Respiratory or skin sensitisation

Components:

N-1-naphthylaniline:

Test Type: Maximisation Test (GPMT)

Species: Guinea pig

Assessment: May cause sensitisation by skin contact.

Result: May cause sensitisation by skin contact.

Test Type: Patch Test

Species: Human

Assessment: May cause sensitisation by skin contact.

Result: May cause sensitisation by skin contact.

Germ cell mutagenicity

Components:

N-1-naphthylaniline:

Genotoxicity in vitro :

Test Type: Ames test

Metabolic activation: with and without metabolic activation

Result: negative

Test Type: Chinese Hamster Ovary (CHO)

Metabolic activation: with and without metabolic activation

Result: negative

Genotoxicity in vivo :

Test Type: in vivo assay

Test species: Mouse (male)

Result: negative

Germ cell mutagenicity

Assessment :

Animal testing did not show any mutagenic effects., Tests on bacterial or mammalian cell cultures did not show mutagenic effects.



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Carcinogenicity

Components:

N-1-naphthylaniline:

Carcinogenicity

Assessment :

Animal testing did not show any carcinogenic effects.

Reproductive toxicity

Product:

Reproductive toxicity

Assessment :

Not classified due to lack of data

STOT - single exposure

Product:

Remarks: Not classified due to lack of data.

STOT - repeated exposure

Components:

N-1-naphthylaniline:

Exposure routes: Oral

Target Organs: Liver, Kidney

Assessment: May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

12. Ecological information

12.1 Toxicity

Components:

N-1-naphthylaniline:

Toxicity to fish :

LC50 (Oncorhynchus mykiss (rainbow trout)): 0.44 mg/l

Exposure time: 96 h

Test Type: semi-static test

Analytical monitoring: yes

Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (Water flea)): 0.68 mg/l

Exposure time: 48 h

Test Type: semi-static test

Analytical monitoring: yes

Toxicity to bacteria :

EC50 (Protozoa): 2 mg/l

Exposure time: 48 h

EC50 (Bacteria): > 10,000 mg/l

Exposure time: 3 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):

NOEC: 0.02 mg/l

Exposure time: 21 d

Species: Daphnia magna (Water flea)

Analytical monitoring: yes

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12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Components:

N-1-naphthylaniline:

Biodegradability : Test Type: aerobic
 Inoculum: activated sludge
 Concentration: 100 mg/l
 Result: According to the results of tests of biodegradability this product is not readily biodegradable.
 Biodegradation: 0 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301
 GLP: yes

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

N-1-naphthylaniline:

Bioaccumulation : Species: Cyprinus carpio (Carp)
 Exposure time: 56 d
 Temperature: 25 °C
 Concentration: 0.1 mg/l
 Bioconcentration factor (BCF): 427 - 2,730

Partition coefficient: noctanol/
 water:

log Pow: 4.28

12.4 Mobility in soil

Product:

Mobility : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

13. Disposal considerations

13.1 Waste treatment methods

Product :

Dispose of wastes in an approved waste disposal facility. The product should not be allowed to enter drains, water courses or the soil. In accordance with local and national regulations. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging :

Dispose of as unused product.
 Do not re-use empty containers.

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14 Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

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

Not applicable for product as supplied.

15. Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH, Article 57).

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants

Not applicable

Major Accident Hazard Legislation

Seveso Directive

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

Please note that Section 3 of this document lists only the hazardous components required by the specific country or region hazard communication regulations. The chemical identifiers listed in Section 3 are used globally for hazard communication purposes and may not reflect those used for chemical inventory coverage in a particular country or region. The chemical inventory information given in Section 15 of this document applies to the product as a whole and should be used when evaluating inventory compliance.

The components of this product are reported in the following inventories:

DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
NZIoC	: Not in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
TCSI	: On the inventory, or in compliance with the inventory
US.TSCA	: On TSCA Inventory

15.2 Chemical Safety Assessment

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No information available.

16. Other information

Full text of H-Statements referred to under sections 2 and 3.

H412 Harmful to aquatic life with long lasting effects.

Numero di telefono di emergenza

<u>Europa:</u>	All European Countries	+44 (0) 1235 239 670 (NCEC)
<u>Asia Pacific:</u>	East / South East Asia – Regional Number	+65 3158 1074 (NCEC)
	Australia	+61 2 8014 4558
	Nuova Zelanda	+64 9929 1483 (NCEC)
	Cina	+86 512 8090 3042
	Taiwan	+886 2 8793 3212 (NCEC)
	Giappone	+81 3 4578 9341 (NCEC)
	Indonesia	007 803 011 0293 (NCEC)
	Malesia	+60 3 6207 4347 (NCEC)
	Thailandia	001 800 120 666 751 (NCEC)
	Corea	+65 3158 1285 (NCEC)
	Vietnam	+84 8 4458 2388
	India	+65 3158 1198 (NCEC)
	Pakistan	+65 3158 1329 (NCEC)
	Filippine	+65 3158 1203 (NCEC)
	Sri Lanka	+65 3158 1195 (NCEC)
	Bangladesh	+65 3158 1200 (NCEC)
<u>Middle East / Africa:</u>		+44 (0) 1235 239 671
<u>North America</u>	Stati Uniti d'America (USA)	(800) 424-9300 (CHEMTREC)
	Canada	(800) 424-9300 (CHEMTREC)
<u>Latin America</u>	Messico	+52 555 004 8763
	Brasile	+55 11 3197 5891 (NCEC)
	Cile	+56 2 2582 9336 (NCEC)
	All other countries	+44 (0) 1235 239 670 (NCEC)

This Safety Data Sheet complies with the Regulation n.830/2015.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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