

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 24.11.2022

Version number 2 (replaces version 1)

Revision: 24.11.2022

\* **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier****Trade name: VIGOR ULTRA S 5W-30****1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the mixture:** Lubricant**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Aegean Oil S.A

10, Akti Kondyli,

Piraeus, Greece, 185 45

Tel: (+30) 210 4586000

Fax: (+30) 210 4586244

E-mail: sales-lubes@aegeanoil.gr

**1.4 Emergency telephone number:**

European Emergency Tel.: 112

\* **SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

**2.2 Label elements****Labelling according to Regulation EC No 1272/2008 CLP:** Void**Hazard pictograms:** Void**Signal word:** Void**Hazard statements:** Void**Precautionary statements**

P102 Keep out of reach of children.

**Additional information:**

EUH208 Contains Phenol, C14-18-alkyl derivatives. May produce an allergic reaction.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Description:** Mixture: consisting of the following components.

#### Ingredients according Regulation (EU) 2020/878:

CAS: 72623-87-1 EINECS: 276-738-4 Index number: 649-483-00-5 Reg.nr.: 01-2119474889-13-XXXX	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Asp. Tox. 1, H304	≥45-≤50%
CAS: 68037-01-4 NLP: 500-183-1 Reg.nr.: 01-2119486452-34-XXXX	Dec-1-ene, homopolymer, hydrogenated Asp. Tox. 1, H304	≥2.5-≤10%
CAS: 64742-54-7 EINECS: 265-157-1 Index number: 649-467-00-8 Reg.nr.: 01-2119484627-25-XXXX	Distillates (petroleum), hydrotreated heavy paraffinic Asp. Tox. 1, H304	≥1-≤10%
CAS: 125643-61-0 ELINCS: 406-040-9 Index number: 607-530-00-7 Reg.nr.: 01-0000015551-76-XXXX	reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate Aquatic Chronic 4, H413	≥1-≤2.5%
CAS: 64742-56-9 EINECS: 265-159-2 Index number: 649-469-00-9 Reg.nr.: 01-2119480132-48-XXXX	Distillates (petroleum), solvent-dewaxed light paraffinic Asp. Tox. 1, H304	≥1-≤2.5%
CAS: 64742-65-0 EINECS: 265-169-7 Index number: 649-474-00-6 Reg.nr.: 01-2119471299-27-XXXX	Distillates (petroleum), solvent-dewaxed heavy paraffinic Asp. Tox. 1, H304	≥1-≤2.5%
CAS: 64742-70-7 EINECS: 265-174-4 Index number: 649-477-00-2	Paraffin oils (petroleum), catalytic dewaxed heavy Asp. Tox. 1, H304	≥1-≤2.5%

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CAS: 72623-86-0 EINECS: 276-737-9 Index number: 649-482-00-X Reg.nr.: 01-2119474878-16-XXXX	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based ----- ⚠ Asp. Tox. 1, H304	≥1-≤2.5%
CAS: 93819-94-4 EINECS: 298-577-9 Reg.nr.: 01-2119543726-33-XXXX	Δις[O-(6-μεθυλεπτυλ)] δις[O-(δευτ.-βουτυλ)] δις(διθειοφωσ φορικός ψευδάργυρος) ----- ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 6.25 % Eye Dam. 1; H318: C ≥ 12.5 % Eye Irrit. 2; H319: 10 % ≤ C < 12.5 %	≥0.25-<1%
CAS: 1190625-94-5 EC number: 931-468-2 Reg.nr.: 01-2119498288-19-XXXX	Phenol, C14-18-alkyl derivatives ----- ⚠ STOT RE 2, H373; ⚠ Skin Sens. 1B, H317	≥0.1-<1%

**Additional information:**

The classification as a carcinogen does not need to apply because the substance Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-65-0) contains less than 3 % DMSO extract.  
For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General information:**

Take affected persons out into the fresh air.  
Seek immediate medical advice.

**After inhalation:**

If breathing is difficult, remove to fresh air. Restore breathing. Keep warm and quiet.  
In case of unconsciousness place patient stably in side position for transportation.  
Seek medical treatment in case of complaints.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.

**After eye contact:**

Immediately rinse the eyes with plenty of water, alternately lifting the upper and lower eyelids.  
Check and remove contact lenses if any.  
Continue to rinse for at least 10 minutes.  
Seek medical attention if irritation occurs.  
Avoid strong water jet-risk of cornea damage, consult a doctor.

**After swallowing:**

Drink plenty of water and provide fresh air. Call for a doctor immediately.  
Seek immediate medical advice.

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Never give anything by mouth to an unconscious person.

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

No further relevant information available.

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

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.**5.2 Special hazards arising from the substance or mixture**In a fire it is possible to release nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) & sulphur dioxide (SO<sub>2</sub>).**5.3 Advice for firefighters****Protective equipment:**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Cool adjacent tanks by spraying water at a safe distance.

**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Avoid contact with skin and eyes.

Avoid inhalation of vapors.

Ensure adequate ventilation.

For information on protective measures, see sections 7 and 8.

**6.1.1 For non-emergency personnel** Avoid contact with dripping or leaking material**6.1.2 For emergency responders**

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

Treat recovered material as described in Chapter 13.

**6.4 Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Avoid contact with skin and eyes.

Ensure adequate ventilation

Avoid inhaling vapors.

Do not eat, drink or smoke during the usage of the product.

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Wash hands before each break and after finishing work.

Put on appropriate personal protective equipment (see section 8 of SDS).

**Information about fire - and explosion protection:**

Keep away from heat, sparks, open flames and hot surfaces.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in cool, dry conditions in well sealed receptacles.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Store away from oxidising agents.**Further information about storage conditions:**

Keep container tightly sealed.

Keep away from children

Protect from heat and direct sunlight.

**7.3 Specific end use(s)** No further relevant information available.

\* **SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**DNELs**

(CAS: 72623-87-1) Lubricating oils (petroleum), C20-50, hydrotreated neutral oil base

Employees:

Inhalation, long-term exposure, systemic effects: 2,73 mg/m<sup>3</sup>Inhalation, long-term exposure, local effects: 5,58 mg/m<sup>3</sup>

dermal, long-term exposure, systemic effects: 0,97 mg/kg bw/d

Consumers:

Oral, long-term exposure, systemic effects: 0.74 mg/kg bw/d

Inhalation, long-term exposure, local effects: 1,19 mg/m<sup>3</sup>

(CAS: 64742-54-7) Distillates (petroleum), heavy paraffinic, hydrotreated

Employees

Long-term exposure, systemic effects, inhalation: 2,7 mg/m<sup>3</sup> (8h)Long-term exposure, local effects, via inhalation: 5,4 mg/m<sup>3</sup> (8h)

Consumers

Long-term exposure, local effects, inhalation: 1,2 mg/m<sup>3</sup> (24h)

Long-term exposure, systemic effects, oral: 0,74 mg/kg/day (24h)

Long-term exposure, systemic effects, dermal: 1 mg/kg (8h)

(CAS: 125643-61-0) reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate

Workers

Exposure: Dermal

Acute - systemic effects

Value: 20 mg/kg

Exposure: Dermal

Acute - local effects

Value: 1 mg/cm<sup>2</sup>

Exposure: Dermal

Long-term - systemic effects

Value: 0.22 mg/kg

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Exposure: Dermal

Long-term - local effects

Value: 0.006 mg/cm<sup>2</sup>

(CAS: 64742-56-9) Distillates (petroleum), solvent-dewaxed light paraffinic

Workers:

Inhalation - long-term systemic effect: 2.73 mg/m<sup>3</sup>Inhalation - long-term local effect: 5.58 mg/m<sup>3</sup>

Dermal - long-term systemic effect: 0.97 mg/kg bw/d

Consumers:

Oral - long-term systemic effect: 0.74 mg/kg bw/d

(CAS: 64742-65-0) Distillates (petroleum), heavy paraffinic solvent-dewaxed

Workers, Long-term, local effects, by inhalation: 5,4 mg/m<sup>3</sup>Consumers, Long-term, local effects, inhalation: 1,2 mg/m<sup>3</sup>

(CAS: 72623-86-0) Lubricating oils (petroleum), C15-30, hydrotreated neutral oil base

Employees

Long-term exposure, local effects, by inhalation: 5,6 mg/m<sup>3</sup>Long-term exposure, systemic effects, inhalation: 2,7 mg/m<sup>3</sup>

Long-term exposure, systemic effects, dermal: 1 mg/kg bw/day

Consumers

Long-term exposure, systemic effects, dermal: 0,74 mg/kg bw/day

(CAS: 93819-94-4) Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)

Workers

Long-term, systemic effects, by inhalation: 8,31 mg/m<sup>3</sup>

Long-term, systemic effects, dermal: 0,58 mg/kg

Consumers

Long-term, systemic effects via inhalation: 2,11 mg/m<sup>3</sup>

Long-term, systemic effects, dermal: 0,29 mg/kg

Long-term, systemic effects, oral: 0,24 mg/kg

(CAS: 1190625-94-5) Phenol, C14-18-alkyl derivs.

Workers:

Inhalation - Long-term systemic effect: 1.17 mg/m<sup>3</sup>

Dermal - Long-term systemic effect: 0.3 mg/kg bw/d

**PNECs**

(CAS: 64742-54-7) Distillates (petroleum), hydrotreated heavy paraffinic

Oral: 9.33 mg/kg food

(CAS: 125643-61-0) reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate

Freshwater: 0.0043 mg/l

Marine water: 0.00043 mg/l

Freshwater sediment: 233 mg/kg

Marine water sediment: 23.3 mg/kg

Soil: 189 mg/kg

(CAS: 64742-56-9) Distillates (petroleum), solvent-dewaxed light paraffinic

Secondary poisoning: 9.33 mg/kg food

(CAS: 64742-65-0) Distillates (petroleum), solvent-dewaxed heavy paraffinic

Oral: 9.33 mg/kg

(CAS: 93819-94-4) Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)

Fresh water: 0,004 mg/l

Marine water: 0,0046 mg/l

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Intermittent use/release: 0,021 mg/l  
Wastewater treatment plant: 100 mg/l  
Fresh water sediment: 0,0116 mg/kg  
Marine water sediment: 0,00116 mg/kg  
Soil: 0,00528 mg/kg  
Oral: 10,67 mg/kg  
(CAS: 1190625-94-5) Phenol, C14-18-alkyl derivs.  
Fresh water: 0.1 mg/l  
Marine water: 0.01 mg/l  
STP: 100 mg/l  
Fresh water sediment: 4266.16 mg/kg sediment dw  
Marine water sediment: 426.62 mg/kg sediment dw  
Soil: 852.58 mg/kg soil dw  
Secondary poisoning: 3.3 mg/kg food

**8.2 Exposure controls****8.2.1. Appropriate engineering controls** Provide adequate ventilation.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Avoid contact with skin and eyes.  
Do not breathe vapours or mists.  
Do not eat, drink or smoke while using the product.  
Be sure to clean skin thoroughly after work and before breaks.

**Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

**Hand protection**

Wear suitable gloves (EN 374)

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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**Eye/face protection**


Goggles recommended during refilling

**Body protection:**


Protective work clothing

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**SECTION 9: Physical and chemical properties**
**9.1 Information on basic physical and chemical properties**
**General Information**

<b>Physical state</b>	Liquid
<b>Colour:</b>	Light-coloured to brown
<b>Odour:</b>	Characteristic of lubricants
<b>Odour threshold:</b>	Not determined
<b>Melting point/freezing point:</b>	Not determined
<b>Flammability</b>	Not applicable
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Flash point:</b>	219 °C (ASTM D-92)
<b>Auto-ignition temperature:</b>	Not Flammable
<b>Decomposition temperature:</b>	Not determined
<b>pH</b>	Not determined
<b>Viscosity:</b>	
<b>Kinematic viscosity at 40 °C</b>	69.3 cSt (ASTM D-445)
<b>Dynamic:</b>	Not determined
<b>Solubility</b>	
<b>water:</b>	Not miscible
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined
<b>Relative density</b>	Not determined
<b>Vapour density</b>	Not determined

**9.2 Other information**

<b>Appearance:</b>	
<b>Form:</b>	Liquid

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### Important information on protection of health and environment, and on safety.

Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Drip point:	
Pour point	-42 °C (ASTM D-97)
Cloud point / clarification point:	
Oxidising properties	Not oxidising
Evaporation rate	Not determined

### Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

## SECTION 10: Stability and reactivity

**10.1 Reactivity** Stable under normal conditions

**10.2 Chemical stability** Material is stable under normal conditions.

**Thermal decomposition / conditions to be avoided** Stable at environment temperature.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** Avoid heat, flames, sparks, other sources of ignition.

**10.5 Incompatible materials** Oxidizing agents

**10.6 Hazardous decomposition products** No dangerous decomposition products known.

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## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute toxicity** Based on available data, the classification criteria are not met.

#### LD/LC50 values relevant for classification:

(CAS: 72623-87-1) Lubricating oils (petroleum), C20-50, hydrotreated on the basis of neutral oils

LD50, oral, rat: &gt; 5000 mg/kg

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LD50, dermal, rabbit: > 2000 mg/kg  
 LC50 (4h), inhalation, rat:  $\geq 5,53$  mg/l (dust/droplets)  
 (CAS: 64742-65-0) Distillates (petroleum), heavy paraffinic solvent-dewaxed  
 LC50, Inhalation, Vapour, Rat: >5,53 mg/l, 4 hours  
 LD50, Dermal, Rabbit: >5000 mg/kg  
 LD50, Oral, Rat: >5000 mg/kg  
 (CAS: 72623-86-0) Lubricating oils (petroleum), C15-30, hydrotreated neutral oil base  
 Acute oral toxicity  
 LD50, rat: > 5 000 mg/kg  
 Acute inhalation toxicity  
 LC50 (4h, powder/droplets), rat: > 5,000 mg/l  
 Acute dermal toxicity  
 LD50, rabbit: > 2,000 mg/kg

**CAS: 1190625-94-5 Phenol, C14-18-alkyl derivatives**

Oral	LD50	>2,000 mg/kg (rat) (Acute Oral Toxicity)
Dermal	LD50	>2,000 mg/kg (rat) (Acute Dermal Toxicity)

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.  
**Serious eye damage/irritation** Based on available data, the classification criteria are not met.  
**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.  
**Germ cell mutagenicity** Based on available data, the classification criteria are not met.  
**Carcinogenicity** Based on available data, the classification criteria are not met.  
**Reproductive toxicity** Based on available data, the classification criteria are not met.  
**STOT-single exposure** Based on available data, the classification criteria are not met.  
**STOT-repeated exposure** Based on available data, the classification criteria are not met.  
**Aspiration hazard** Based on available data, the classification criteria are not met.  
**Additional toxicological information:**  
**Repeated dose toxicity** Based on available data, the classification criteria are not met.  
**11.2 Information on other hazards**

**Endocrine disrupting properties**

None of the ingredients is listed.

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**SECTION 12: Ecological information**
**12.1 Toxicity**
**Aquatic toxicity:**

(CAS: 72623-87-1) Lubricating oils (petroleum), C20-50, hydrotreated on the basis of neutral oils  
 LC50, fish: >100 mg/l  
 (CAS: 64742-65-0) Distillates (petroleum), heavy paraffinic solvent-dewaxed  
 Acute, EL50: >10000 mg/l  
 Daphnia magna, 48 hours, Based on data for a similar substance.  
 Acute, LL50: >100 mg/l  
 Fish - Pimephales promelas, 96 hours, Based on data for a similar substance.  
 Chronic NOEL:  $\geq 100$  mg/l  
 Algae - Pseudokirchneriella subcapitata, 72 hours, Based on data for a similar substance.  
 Chronic NOEL: 10 mg/l  
 Daphnia - Daphnia magna, 21 days, Based on data for a similar substance.

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Chronic NOEL: 1000 mg/l  
Fish - Oncorhynchus mykiss, 14 days, QSAR result.  
(CAS: 72623-86-0) Lubricating oils (petroleum), C15-30, hydrotreated neutral oil base  
Toxicity to fish  
LL50 (Pimephales promelas): > 100 mg/l  
Method: OECD 203  
Toxicity to laurel and other aquatic invertebrates  
EL50 (48h) (Daphnia magna): > 10 000 mg/l  
Method: OECD 202  
NOEL (48h) (Daphnia magna): > 10 000 mg/l  
Method: OECD 202  
Daphnia toxicity  
NOEC (72h) (algae): ≥ 100 mg/l

**CAS: 1190625-94-5 Phenol, C14-18-alkyl derivatives**

EC50 (72h)	>100 mg/l (algae) (Freshwater Alga and Cyanobacteria, Grow Inhibition)
EC50 (48h)	>100 mg/l (Daphnia magna) (Daphnia sp. Acute Immobilisation Test)
LC50 (96h)	>100 mg/l (Cyprinus Carpio) (Fish, Acute Toxicity Test)

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**
**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**
**Additional ecological information:**
**General notes:** Do not allow product to reach ground water, water course or sewage system.

**SECTION 13: Disposal considerations**
**13.1 Waste treatment methods**
**Recommendation**


Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

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**Uncleaned packaging:**
**Recommendation:** Disposal must be made according to official regulations.

#### SECTION 14: Transport information

**14.1 UN number or ID number**

ADR, ADN, IMDG, IATA

Void

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA

Void

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class

Void

**14.4 Packing group**

ADR, IMDG, IATA

Void

**14.5 Environmental hazards:**

Not applicable.

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**UN "Model Regulation":**

Void

\*

#### SECTION 15: Regulatory information

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

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as ammended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended

Note L applies. DMSO content is below 3% (IP 346).

**Directive 2012/18/EU**
**Named dangerous substances - ANNEX I** Substance is not listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

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**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
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**REGULATION (EU) 2019/1148**
**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**National regulations:**
**Other regulations, limitations and prohibitive regulations**
**Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

**Training hints**

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

**Department issuing SDS:**


SUSTCHEM S.A.

REACH &amp; Chemical Services Department

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**Version number of previous version: 1**

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**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

**\* Data compared to the previous version altered.**

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