

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

#### 1.1 Product identifier

**Product name:** VELA/HTX

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

**Identified uses:** Lubricant

**Uses advised against:** No uses advised against identified.

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer / Supplier**

FUCHS LUBRIFICANTI S.p.A.  
Via Riva 16  
14021 BUTTIGLIERA D'ASTI (AT) - ITALY

Telephone:

+39 011 9922 811 (CENTRALINO)

Fax:

+39 011 9921 670

**Contact Person:**

FUCHS LUBRIFICANTI S.p.A. - HEALTH & SAFETY

Telephone:

+39 011 9922 817

Fax:

+39 011 9921 670

E-mail:

schedesicurezza@fuchslubrificanti.it

#### 1.4 Emergency telephone number:

FUCHS Italy +390119922817 (h8:30-17:30); +390119922811 (h24)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

|| The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

**Classification according to Regulation (EC) No 1272/2008 as amended.**

**Environmental Hazards**

Chronic hazards to the aquatic environment

Category 3

H412: Harmful to aquatic life with long lasting effects.

**Hazard summary**

**Physical Hazards:**

No data available.

#### 2.2 Label Elements

|| **Hazard Statement(s):** H412: Harmful to aquatic life with long lasting effects.

**Product name:** VELA/HTX

### Precautionary Statements

**Prevention:** P273: Avoid release to the environment.

### Supplemental label information

EUH208: Contains: Acryl polymer, Calcium sulfonate. May produce an allergic reaction.

**2.3 Other hazards:** By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### General information:

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
ZnDTP	EINECS: 224-235-5	1,00 - <2,50%	01-2119493635-27	
Calcium Sulfonate	Polymer	1,00 - <5,00%		
Calcium sulfonate	EINECS: 271-877-7	1,00 - <5,00%		
Acryl polymer	EINECS: 205-570-6	0,10 - <0,25%		

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.  
PBT: persistent, bioaccumulative and toxic substance.  
vPvB: very persistent and very bioaccumulative substance.

#### Classification

Chemical name	Identifier	Classification
ZnDTP	EINECS: 224-235-5	CLP: Eye Dam. 1;H318, Aquatic Chronic 2;H411
Calcium Sulfonate	Polymer	CLP: , Aquatic Chronic 4;H413
Calcium sulfonate	EINECS: 271-877-7	CLP: Skin Sens. 1B;H317, Aquatic Chronic 4;H413
Acryl polymer	EINECS: 205-570-6	CLP: Aquatic Acute 1;H400, Aquatic Chronic 1;H410, Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1;H317, STOT SE 3;H335

CLP: Regulation No. 1272/2008.

For the wording of the listed hazard statements refer to section 16.

Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Note L of Annex VI of Regulation EC 1272/2008."

## SECTION 4: First aid measures

**General:** Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

**Product name:** VELA/HTX

---

#### 4.1 Description of first aid measures

**Inhalation:** Supply fresh air; consult doctor in case of symptoms.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms occur.

**Skin Contact:** Wash with soap and water.

**Ingestion:** Rinse mouth thoroughly.

**4.2 Most important symptoms and effects, both acute and delayed:** Causes skin and eye irritation.

**4.3 Indication of any immediate medical attention and special treatment needed:** Get medical attention if symptoms occur.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media:** CO<sub>2</sub>, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

**Unsuitable extinguishing media:** Water with a full water jet.

**5.2 Special hazards arising from the substance or mixture:** During fire, gases hazardous to health may be formed.

#### 5.3 Advice for firefighters

**Special fire fighting procedures:** Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. In case of spills, beware of slippery floors and surfaces.

**6.2 Environmental Precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e.g. by binding or oil barriers). Do not allow to enter drainage system, surface or ground water.

**Product name:** VELA/HTX

**6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations.

**6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

### SECTION 7: Handling and storage:

**7.1 Precautions for safe handling:** Avoid contact with eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Avoid contact with eyes, skin, and clothing. Prevent formation of aerosols. Observe good industrial hygiene practices. Provide adequate ventilation.

**7.2 Conditions for safe storage, including any incompatibilities:** Local regulations concerning handling and storage of waterpolluting products have to be followed. Do not heat up to temperatures close to the flash point.

**7.3 Specific end use(s):** Not applicable

**Storage Class:** 10, Combustible liquids

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control Parameters

##### Occupational Exposure Limits

None of the components have assigned exposure limits.

#### 8.2 Exposure controls

##### Appropriate engineering controls:

Adequate ventilation should be provided so that exposure limits are not exceeded.

##### Individual protection measures, such as personal protective equipment

##### General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

##### Eye/face protection:

Safety glasses (EN 166) recommended during refilling.

**Product name:** VELA/HTX

**Skin protection**

**Hand Protection:**

Material: Nitrile butyl rubber (NBR).

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Other:**

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

**Respiratory Protection:**

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

**Thermal hazards:**

Not known.

**Hygiene measures:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

**Environmental Controls:**

No data available.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical state:**

liquid

**Form:**

liquid

**Color:**

Red

**Odor:**

Characteristic

**Odor Threshold:**

Not applicable for mixtures

**pH:**

Not applicable

**Freezing point:**

Not applicable for mixtures

**Boiling Point:**

Not applicable

**Flash Point:**

195 °C

**Evaporation Rate:**

Not applicable for mixtures

**Flammability (solid, gas):**

Value not relevant for classification

**Flammability Limit - Upper (%)-:**

Not applicable for mixtures

**Flammability Limit - Lower (%)-:**

Not applicable for mixtures

**Vapor pressure:**

Not applicable for mixtures

**Vapor density (air=1):**

Not applicable for mixtures

**Density:**

0,88 g/cm<sup>3</sup> (15 °C)

**Solubility(ies)**

**Solubility in Water:**

Insoluble in water

**Solubility (other):**

No data available.

**Partition coefficient (n-octanol/water):**

Not applicable for mixtures

**Autoignition Temperature:**

Value not relevant for classification

**Decomposition Temperature:**

Value not relevant for classification

**Product name:** VELA/HTX

<b>Kinematic viscosity:</b>	56 mm <sup>2</sup> /s (40 °C)
<b>Explosive properties:</b>	Value not relevant for classification
<b>Oxidizing properties:</b>	Value not relevant for classification
<b>9.2 Other information</b>	No data available.

#### SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal use conditions.
<b>10.2 Chemical Stability:</b>	Stable under normal use conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Stable under normal use conditions.
<b>10.4 Conditions to avoid:</b>	Stable under normal use conditions.
<b>10.5 Incompatible Materials:</b>	Strong oxidizing substances. Strong acids. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

#### SECTION 11: Toxicological information

##### Information on likely routes of exposure

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	May cause an allergic skin reaction.
<b>Eye contact:</b>	Causes eye irritation.

##### 11.1 Information on toxicological effects

###### Acute toxicity

###### Oral

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b> ZnDTP	LD 50 (Rat): 4.358 mg/kg

###### Dermal

<b>Product:</b>	Not classified for acute toxicity based on available data.
-----------------	--

###### Inhalation

<b>Product:</b>	Not classified for acute toxicity based on available data.
-----------------	--

**Product name:** VELA/HTX

**Skin Corrosion/Irritation:**

**Product:** Based on available data, the classification criteria are not met.  
**Specified substance(s)**  
 ZnDTP (Rabbit):  
 None.

**Serious Eye Damage/Eye Irritation:**

**Product:** Based on available data, the classification criteria are met. Based on available data, the classification criteria are not met.  
**Specified substance(s)**  
 ZnDTP (Rabbit):  
 Slightly irritating.

**Respiratory or Skin Sensitization:**

**Product:** Skin sensitizer: Based on available data, the classification criteria are not met.  
 Skin sensitizer: Based on available data, the classification criteria are not met.  
 Respiratory sensitizer: Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity**

**Product:** Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Product:** Based on available data, the classification criteria are not met.

**Reproductive toxicity**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Aspiration Hazard**

**Product:** Based on available data, the classification criteria are not met.

**Other adverse effects:** No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Product:** Based on available data, the classification criteria are not met.

**Fish**

**Specified substance(s)**  
 ZnDTP LC 50 (Fish, 96 h): 4,4 mg/l

**Product name:** VELA/HTX

---

**Aquatic Invertebrates  
Specified substance(s)**  
ZnDTP

EC 50 (Water Flea, 48 h): 75 mg/l

**Chronic Toxicity Product:** Based on available data, the classification criteria are met.

**Fish  
Specified substance(s)**  
ZnDTP

NOEC (Fish, 4 d): 3,2 mg/l

**Aquatic Invertebrates  
Specified substance(s)**  
ZnDTP

NOEC (Water Flea, 21 d): 0,4 mg/l

**Toxicity to Aquatic Plants  
Specified substance(s)**  
ZnDTP

EC 50 (Alga, 72 h): 410 mg/l

## 12.2 Persistence and Degradability

### Biodegradation

**Product:**  
**Specified substance(s)**  
ZnDTP

Not applicable for mixtures

5 % (28 d, OECD 301B)

## 12.3 Bioaccumulative potential

**Product:**

Not applicable for mixtures

## 12.4 Mobility in soil:

**Product:**

Not applicable for mixtures

## 12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

## 12.6 Other adverse effects:

Harmful to aquatic life with long lasting effects.

**Water Hazard Class  
(WGK):**

WGK 2: significantly water-endangering.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**General information:**

Dispose in accordance with all applicable regulations.

**Disposal methods:**

Discharge, treatment, or disposal may be subject to national, state, or local laws.

### European Waste Codes

13 02 05\*: mineral-based non-chlorinated engine, gear and lubricating oils



Product name: VELA/HTX

**SECTION 14: Transport information**

**ADR/RID**

- 14.1 UN Number: –
- 14.2 UN Proper Shipping Name: –
- 14.3 Transport Hazard Class(es)
  - Class: Non-dangerous goods
  - Label(s): –
  - Hazard No. (ADR): –
  - Tunnel restriction code: –
- 14.4 Packing Group: –
- 14.5 Environmental hazards: –
- 14.6 Special precautions for user: –

**ADN**

- 14.1 UN Number: –
- 14.2 UN Proper Shipping Name: –
- 14.3 Transport Hazard Class(es)
  - Class: Non-dangerous goods
  - Label(s): –
- 14.3 Packing Group: –
- 14.5 Environmental hazards: –
- 14.6 Special precautions for user: –

**IMDG**

- 14.1 UN Number: –
- 14.2 UN Proper Shipping Name: –
- 14.3 Transport Hazard Class(es)
  - Class: Non-dangerous goods
  - Label(s): –
  - EmS No.: –
- 14.3 Packing Group: –
- 14.5 Environmental hazards: –
- 14.6 Special precautions for user: –

**IATA**

- 14.1 UN Number: –
- 14.2 Proper Shipping Name: –
- 14.3 Transport Hazard Class(es)
  - Class: Non-dangerous goods
  - Label(s): –
- 14.4 Packing Group: –
- 14.5 Environmental hazards: –
- 14.6 Special precautions for user: –

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable.

**SECTION 15: Regulatory information**

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

**EU Regulations**

**Product name:** VELA/HTX

---

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

<b>SECTION 16: Other information</b>
--------------------------------------

**Revision Information:**

Vertical lines in the margin indicate an amendment.

**Wording of the H-statements in section 2 and 3**

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

**Other information:**

The classification complies with the current EU lists; however, it has been supplemented with expert literature information and information provided by/about our company. It was derived from the test data and/or the application of the conventional method.

**Revision Date:**

25.01.2018

**Disclaimer:**

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.