

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

### **1.1. Product identifier**

LiSoTop Section 500 Oleo Phobic and Waterproofing Product.

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

#### **Use of the substance/mixture**

Oil and Water Repellent

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

LiSoChem SRL

Rue de le Mesnil 34

5670 Viroinval Belgium

Telephone: +32 60 490 190

Responsible for the safety data sheet: sds@gbk-ingelheim.de

### **1.4. Emergency telephone number:**

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

Indications of danger: Xi - Irritant

R phrases:

Irritating to eyes and skin.

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

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Reproductive toxicity: Repr. 1B

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May damage the unborn child. Suspected of damaging fertility.

### **2.2. Label elements**

Pictograms: GHS07-GHS08



Signal word: Danger

#### **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H360Df May damage the unborn child. Suspected of damaging fertility.

#### **Precautionary statements**

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

P302+P352 IF ON SKIN: Wash with plenty of water.

#### **Special labelling of certain mixtures**

Restricted to professional users.

### **2.3. Other hazards**

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.



---

## **SECTION 3: Composition/information on ingredients**

### **3.2. Mixtures**

#### **Chemical characterization**

Aqueous preparation of the following substances with non-hazardous admixtures

#### **Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
	Fluorinated Polymer	< 5 %
	C - Corrosive R35	
	Skin Corr. 1A, Eye Dam. 1; H314 H318	
	Mix Silane-Siloxane	< 1 %
	Repr. Cat. 3, Xi - Irritant R63-41	
	Repr. 1B, Eye Dam. 1; H360Df H318	

Full text of R, H and EUH phrases: see section 16.

---

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

No specific precautions required.

#### **After inhalation**

Take affected person into fresh air.

Wash mouth and nasal passages with water.

If symptoms develop, seek medical attention.

#### **After contact with skin**

In case of contact with skin wash off with soap and water.

Consult a doctor if skin irritation persists.

#### **After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lens.

Seek medical treatment by eye specialist.

#### **After ingestion**

Do not induce vomiting.

Rinse out mouth and give plenty of water to drink.

Never give anything by mouth to an unconscious person.

Call a physician immediately.

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

May damage the unborn child. Suspected of damaging fertility.

Causes serious eye irritation.

Causes skin irritation.

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

Treat symptoms.

---

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**



---

### **Suitable extinguishing media**

Product does not burn, fire-extinguishing activities according to surrounding.  
Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

### **Extinguishing media which must not be used for safety reasons**

Full water jet.

### **5.2. Special hazards arising from the substance or mixture**

Fire may produce:

Hydrocarbons, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)  
irritant/corrosive, flammable as well as toxic distillation gases/vapours

### **5.3. Advice for firefighters**

Use breathing apparatus with independent air supply.

Protective suit.

### **Additional information**

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

---

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing.

Use personal protective clothing.

High risk of slipping due to leakage/spillage of product.

### **6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.

### **6.3. Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

### **6.4. Reference to other sections**

Observe protective instructions (see Sections 7 and 8).

Information for disposal see section 13.

---

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Avoid contact with the skin and the eyes.

Ensure adequate ventilation.

#### **Advice on protection against fire and explosion**

No special protective measures against fire required.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

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

Keep away from heat.

Keep from freezing.

#### **Advice on storage compatibility**

Incompatible with strong acids and oxidizing agents.

#### **Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

Storage class (D): 12

### **7.3. Specific end use(s)**

Oil & Water Repellent

---

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

### **8.1. Control parameters**



---

#### **Additional advice on limit values**

No data available.

#### **8.2. Exposure controls**

##### **Protective and hygiene measures**

Wash hands before breaks and at the end of workday.

Take off immediately all contaminated clothing.

##### **Respiratory protection**

No personal respiratory protective equipment normally required.

##### **Hand protection**

Neoprene, butyl or nitrile rubber gloves

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

##### **Eye protection**

Tightly fitting goggles (EN 166).

Eye wash bottle with pure water (EN 15154).

##### **Skin protection**

Long sleeved clothing (EN 368).

---

### **SECTION 9: Physical and chemical properties**

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

Physical state:	Liquid
Colour:	Clear to light Amber
Odour:	Odourless

pH-Value (at 20 °C):	approx. 11
----------------------	------------

#### **Changes in the physical state**

Melting point:	approx. 0 °C
Initial boiling point and boiling range:	approx. 100 °C
Flash point:	n.a.
Lower explosion limits:	n.a.
Upper explosion limits:	n.a.
Ignition temperature:	n.a.
Density (at 20 °C):	> 1 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Partially miscible

#### **9.2. Other information**

No data available.

---

### **SECTION 10: Stability and reactivity**

#### **10.1. Reactivity**

No decomposition if stored and applied as directed.

#### **10.2. Chemical stability**

Stable under normal conditions.

#### **10.3. Possibility of hazardous reactions**

Reactions with oxidizing agents.

Strong exothermic reaction with acids.

#### **10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.

#### **10.5. Incompatible materials**

Strong acids and oxidizing agents



---

## **10.6. Hazardous decomposition products**

Fire may produce:

Hydrocarbons , Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

---

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

No toxicological data available.

#### **Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

#### **Empirical data on effects on humans**

Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

---

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Ecological data are not available.

### **12.2. Persistence and degradability**

No data available.

### **12.3. Bioaccumulative potential**

No data available.

### **12.4. Mobility in soil**

No data available.

### **12.5. Results of PBT and vPvB assessment**

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

### **12.6. Other adverse effects**

A pH-change becomes possible in water.

#### **Further information**

Do not flush into surface water or sanitary sewer system.

---

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Advice on disposal**

Can be landfilled after chemical and physical treatment, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

#### **Waste disposal number of waste from residues/unused products**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

#### **Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

---

## **SECTION 14: Transport information**

### **SECTION 14: Transport information**

**Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO-TI/IATA-DGR); Inland waterways transport (ADN)**

---



**14.1. UN number:**

No hazardous material as defined by the transport regulations.

**14.2. UN proper shipping name:**

No hazardous material as defined by the transport regulations.

**14.3. Transport hazard class(es):**

No hazardous material as defined by the transport regulations.

**14.4. Packing group:**

No hazardous material as defined by the transport regulations.

**14.5. Environmental hazards**

No hazardous material as defined by the transport regulations.

**14.6. Special precautions for user**

No hazardous material as defined by the transport regulations.

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

No hazardous material as defined by the transport regulations.

**Land transport (ADR/RID)**

**14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**UN/ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

**Other applicable information**

No hazardous material as defined by the transport regulations.

**SECTION 15: Regulatory information**

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

**EU regulatory information**

1999/13/EC (VOC): 0 %

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.



## **15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

## **SECTION 16: Other information**

### **Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
IMDG = International Maritime Code for Dangerous Goods  
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
MARPOL = International Convention for the Prevention of Pollution from Ships  
IBC = Code International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals  
CAS = Chemical Abstract Service  
EN = European norm  
ISO = International Organization for Standardization  
VOC = Volatile organic compound  
STOT SE = Specific target organ toxicity single exposure  
STOT RE = Specific target organ toxicity repeated exposure  
PBT = Persistent Bioaccumulative and Toxic  
vPvB = Very Persistent and very Bio-accumulative  
bw = body weight  
LD = Lethal dose  
LC = Lethal concentration  
EC = Effect concentration  
IC = Median immobilisation concentration or median inhibitory concentration

### **Relevant R phrases (number and full text)**

35 Causes severe burns.  
36/38 Irritating to eyes and skin.  
41 Risk of serious damage to eyes.  
63 Possible risk of harm to the unborn child.

### **Relevant H and EUH statements (number and full text)**

H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H360Df May damage the unborn child. Suspected of damaging fertility.

### **Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*

