

# Material Safety Data Sheet

Trade name: Steodur Leading Edge Protection (LEP) PUR

Product no.: 6D970-7038

Version: BUS030110

Date of printing: 3.19.2010

## 1.) Identification of the substance/preparation and of the Company/undertaking

Identification of the substance or preparation

Trade name

### **Steodur Leading Edge Protection (LEP) PUR**

#### **Company/undertaking identification**

##### **Address**

Bergolin GmbH & Co. KG

Kiepelbergstr. 14

27721 Ritterhude

Telephone no. +49 (0) 4292 998 0

Fax no. +49 (0) 4292 998 43

##### **Emergency telephone**

+49 (0) 4292 998 0 8 a.m. to 4 p.m. (CET)

msds@bergolin.de

## 2.) Hazards identification

### **Immediate hazards**

#### **General**

WARNING

May cause allergic skin reaction.

May cause respiratory tract irritation.

Prolonged or repeated contact may dry skin and cause irritation.

#### **Potential environmental effects.**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### **Potential Health Effects**

##### **Eye**

No hazard in normal industry use.

##### **Skin**

May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

##### **Inhalation**

May cause respiratory tract irritation.

##### **Ingestion**

May cause vomiting. The product contains low viscosity components (hydrocarbon mixtures) which present a health hazard by being aspirated into the lungs when swallowed. Due to the high viscosity of the product itself this health hazard is minimized.

##### **Carcinogenicity**

None of the components present in this material at concentrations equal or greater than 0.1% is listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

## 3.) Composition/information on ingredients

### **Chemical characterization**

Mixture (preparation)

### **Hazardous ingredients**

**SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC.**

CAS # 64742-95-6

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## 4.) First aid measures

### **General information**

In all cases of doubt, or when sickness symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Remove soiled or soaked clothing immediately.

### **After inhalation**

Remove to fresh air, keep patient warm and at rest. Irregular breathing/no breathing: artificial respiration. If unconscious place in recovery position and seek medical advice.

### **After skin contact**

Remove contaminated clothing immediately and dispose of safely. Wash skin thoroughly with soap and water or use recognized skin cleaner. Do NOT use solvents or thinners!

### **After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

### **After ingestion**

Do not induce vomiting. Keep at rest. Call a doctor.

## 5.) Firefighting measures

### **Suitable extinguishing media**

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray

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

Full water jet

### **Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases.**

Fire will produce dense, black smoke. Exposure to decomposition products may cause a health hazard.

### **Special protective equipment for firefighting**

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

### **Other information**

Cool endangered containers with water in case of fire. Do not allow run-off from firefighting to enter drains or water courses.

## 6.) Accidental release measures

### **Personal precautions**

Do not inhale vapors. Refer to protective measures listed in sections 7 and 8.

### **Environmental precautions**

Do not allow to enter drains. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

### **Methods for cleaning up/taking up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in suitable container for disposal.



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## Personal protective equipment

### Respiratory protection

When spraying: Positive pressure air supplied respirator required (MHSA/NIOSH approved).

For applications other than spraying: In well ventilated areas, air supplied respirators could be replaced by properly fitted combination organic vapor/particulate NIOSH/MHSA approved respirators.

Wear an approved NIOSH/MHSA dust respirator when sanding or abrading the cured and dried film.

### Hand Protection

The following glove(s) should be used for protection :

Appropriate material butyl rubber

### Eye Protection

Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

### Skin Protection

Wear clothing appropriate for handling chemicals. All parts of the body should be washed with soap and water after contact.

### General protective and hygiene measures

Avoid product contact with skin, eyes and clothing. Avoid the inhalation of dust when sanding or abrading the cured film.

Wash hands with soap and water after use.

## 9.) Physical and chemical properties

### General information

Form liquid

Color according product name

Odor characteristic

### Important health, safety and environmental information

#### Change in physical state

Value no data available

#### Flash point

Value no data available

#### Ignition temperature

Value not applicable

#### Explosion limits

Upper explosion limit 10.8 % vol

Lower explosion limit 0.8 % vol.

#### Vapor pressure

Value 0.11 mbar

Reference temperature 68 °F

#### Density

Value 9.60 lbs/gallon

Reference temperature 68 °F

#### Solubility in water

Remarks insoluble

#### Solvent content

Value 0 % vol

#### Solvent separation test

Value < 3 % vol

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## **10.) Stability and reactivity**

### **Conditions to avoid**

Stable under recommended storage and handling conditions (See Section 7).

### **Materials to avoid**

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### **Hazardous decomposition products**

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

### **Thermal decomposition**

Remarks            No decomposition if used as prescribed.

## **11.) Toxicological information**

### **Experience in practice**

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

### **Other information**

Product specific toxicological data are not known.

## **12.) Ecological information**

### **Other adverse effects**

Ecological data are not available.

Do not discharge product unmonitored into the environment.

## **13.) Disposal Considerations**

### **Product**

Dispose in accordance with federal, state and local regulations.

## **14.) Transport information**

### **Other information**

The product is not defined under national/international road, rail, sea and air transport regulations as a hazardous material. Not DOT regulated.

## **15.) Regulatory information**

### **Regulations**

#### **US Federal Regulations**

#### **TSCA (Toxic Substances Control Act)**

All of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements (exempt).

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## Clean Water Act (CWA)

None of the ingredients is listed.

## OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

Following ingredients are Hazardous by definition of Hazard Communication Standard:

CAS -No. 64742-95-6 Solvent Naptha (Petroleum), Light Aromatic

## SARA Section 302 (RQ):

None of the ingredients is listed.

## SARA HAZARD CATEGORY (Section 311/312)

Acute Health Hazards

## SARA Section 313

None of the ingredients is listed.

## HAPS (Hazardous Air Pollutants) according to Clean Air Act

None of the ingredients is listed.

## State Regulations

### California Proposition 65.

None of the ingredients is listed.

## Pennsylvania HAZARDOUS SUBSTANCE LIST

Following ingredients are listed:

CAS-No. 108-94-1 < 1.0%; 7631-86-9

## New Jersey Worker and Community Right to Know Act.

Following ingredients are listed:

CAS-No. 108-94-1 < 1.0%;

## Other international listings

### IRAC

None of the ingredients is listed in group 1, 2A or 2B.

Volatile organic compounds (VOC)

Pound/gallon 0.32

## 16.) Other information

### HMIS Classification

Health	2
Flammability:	1
Reactivity	1
PPE	G

### NFPA Rating

Health	2
Fire Hazard	1
Reactivity	1

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## Other information

### Abbreviations

ACGIH American Conference of Governmental Hygienics  
CAS Chemical Abstracts Service  
HAPS Hazardous Air Pollutants  
HMIS Hazardous Material Identification System  
IARC International Agency for Research on Cancer  
IDLH Immediate Dangerous to Life and Health  
LEL Lower Explosion Limit  
NTP National Toxicology Program  
OEL Occupational Safety and Health Administration  
PEL Permissible Exposure Limit  
PPE Personal Protection Equipment  
SARA Superfund Amendments and Reauthorization Act  
STEL Short-Term Exposure Level (15 minutes)  
TWA Time-Weighted Average (8 hours)  
UEL Upper Explosion Limit  
VOC Volatile Organic Compounds  
WEEL Workplace Environmental Exposure Level