

## Material Safety Data Sheet

According to 2001/58 EC

Printing date 16.03.2007

Reviewed on 16.03.2007

### 1 Identification of substance:

- **Product details:**
- **Trade name:** Prep P
- **Article number:** 023309
- **Application of the substance / preparation** Primer
- **Manufacturer/Supplier:**  
BOSTIK BV  
De Voerman 8  
5215 MH 's-Hertogenbosch  
The Neetherlands  
Tel.: +31 (0)73 6 244 244
- **Informing department:** Product Safety Department

### 2 Composition/Data on components:

- **Description:** Mixture of the substances listed below with harmless additions.

**Dangerous components:**

CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate Xi, F; R 11-36-66-67	20-50%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Xn, Xi, N; R 10-37-51/53-65-66-67	5-20%
CAS: 4098-71-9 EINECS: 223-861-6	isphorone di-isocyanate T, Xi, N; R 23-36/37/38-42/43-51/53	< 1%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

### 3 Hazards identification

- **Hazard designation:**



Xi Irritant  
F Highly flammable

- **Information pertaining to particular dangers for man and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Has a narcotizing effect.

R 11 Highly flammable.

R 36 Irritating to eyes.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.

Contains isocyanates. See information supplied by the manufacturer

- **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

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### 4 First aid measures

- **After inhalation**  
Supply fresh air and call for doctor for safety reasons.  
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** In case of persistent symptoms consult doctor.

### 5 Fire fighting measures

- **Suitable extinguishing agents** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Prevent material from reaching sewage system, holes and cellars.  
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents

### 7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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**· Components with limit values that require monitoring at the workplace:**

**141-78-6 ethyl acetate**

<b>OES</b>	Short-term value: 400 ppm Long-term value: 200 ppm Rev
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**4098-71-9 isphorone di-isocyanate**

<b>MEL</b>	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO
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**· Additional information:** The lists that were valid during the compilation were used as basis.

**· Personal protective equipment**

**· General protective and hygienic measures**

- Keep away from foodstuffs, beverages and food.
- Take off immediately all contaminated clothing
- Wash hands during breaks and at the end of the work.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the eyes and skin.

**· Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.  
Not necessary if room is well-ventilated.

**· Protection of hands:**

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

**· Material of gloves**

Butyl rubber, BR  
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 preparation 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 exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**· Eye protection:** Tightly sealed safety glasses.

**9 Physical and chemical properties:**

**· General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

**· Change in condition**

**Melting point/Melting range:** Not determined

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<b>Boiling point/Boiling range:</b> 77°C	
· <b>Flash point:</b>	-4°C
· <b>Ignition temperature:</b>	450°C
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· <b>Critical values for explosion:</b>	
<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	11.5 Vol %
· <b>Density at 20°C</b>	1 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Not miscible or difficult to mix

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Materials to be avoided:** Acids, oxidizing products.
- **Dangerous reactions** Reacts with alcohols, amines, aqueous acids and alkalis
- **Dangerous products of decomposition:**  
No dangerous decomposition products known  
Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)

### 11 Toxicological information

- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

#### 141-78-6 ethyl acetate

Oral	LD50	4935 mg/kg (rbt)
Inhalative	LC50/4 h	1600 mg/l (rat)

#### 64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

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### 12 Ecological information:

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.  
Do not allow product to reach ground water, water bodies or sewage system.  
Danger to drinking water if even small quantities leak into soil.  
Harmful to aquatic organisms

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID-GGVS/E Class:** 3 Flammable liquids.
- **Kemler Number:** 33
- **UN-Number:** 1993
- **Packaging group:** II
- **Label:** 3
- **Designation of goods:** 1993 FLAMMABLE LIQUID, N.O.S., special provision 640D (ETHYL ACETATE, Solvent naphtha (petroleum), light arom.)

- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1993
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E

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- **Marine pollutant:** No
- **Correct technical name:** FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE, Solvent naphtha (petroleum), light arom.)

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1993
- **Label:** 3
- **Packaging group:** II
- **Correct technical name:** FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE, Solvent naphtha (petroleum), light arom.)

### 15 Regulatory information

- **Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

- **Code letter and hazard designation of product:**



Xi Irritant  
F Highly flammable

- **Risk phrases:**

11 Highly flammable.  
36 Irritating to eyes.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
67 Vapours may cause drowsiness and dizziness.

- **Safety phrases:**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

- **Special designation of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer  
Contains isophorone di-isocyanate, hexahydromethylphthalic anhydride. May produce an allergic reaction.

- **National regulations**

- **Technical instructions (air):**

Class	Share in %
II	5-25
III	5-25

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**· Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.****16 Other information:**

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**· Relevant R-phrases**

- 10 Flammable.
- 11 Highly flammable.
- 23 Toxic by inhalation.
- 36 Irritating to eyes.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 37 Irritating to respiratory system.
- 42/43 May cause sensitisation by inhalation and skin contact.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

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