

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 18.01.2013





Version number 8

Revision: 18.01.2013

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Prep P
- **Article number:** 023309
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / preparation** Primer
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
BOSTIK BV
De Voerman 8
5215 MH 's-Hertogenbosch
The Netherlands
Tel.: +31 (0)73 6 244 244
email: fds.box-nl@bostik.com
internet: www.bostik.nl
- **BOSTIK BELUX SA-NV**
Meulestedekaai 86
B-9000 Gent
Belgium
Tel: +32 (0) 9 255 17 21
email: fds.box-be@bostik.com
internet: www.bostik.be
- **Informing department:** Product Safety Department
- **Emergency telephone number:** +31 (0)73 6 244 244

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 -  **Xn; Harmful**
R65: Harmful: may cause lung damage if swallowed.
 -  **Xi; Irritant**
R36: Irritating to eyes.
 -  **Xi; Sensitising**
R43: May cause sensitisation by skin contact.
 -  **F+; Highly flammable**
R11: Highly flammable.
R52/53-67: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.
- **Information concerning particular hazards for human 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.

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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.

Label elements

Labelling according to EU 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:



Xn Harmful
F Highly flammable

Hazard-determining components of labelling:

Solvent naphtha (petroleum), light arom.
1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

Risk phrases:

- 11 Highly flammable.
- 36 Irritating to eyes.
- 43 May cause sensitisation by skin contact.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 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.
- 35 This material and its container must be disposed of in a safe way.
- 37 Wear suitable gloves.
- 51 Use only in well-ventilated areas.
- 61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Special labelling of certain preparations:

Contains isocyanates. See information supplied by the manufacturer

Other hazards

Results of PBT and vPvB assessment

- PBT:** Not applicable.
- vPvB:** Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of substances with harmless additions.

Dangerous components:

CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate Xi R36; F R11 R66-67	25-50%
CAS: 53880-05-0	Isophorondiisocyanate homopolymer Xi R37; Xi R43	25-50%

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CAS: 140921-24-0 ELINCS: 411-700-4	1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate ☒ Xi R43	5-25%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. ☒ Xn R65; ☒ Xi R37; ☒ N R51/53 R10-66-67	10-20%
CAS: 25550-51-0 EINECS: 247-094-1	hexahydromethylphthalic anhydride ☒ Xn R42/43; ☒ Xi R41	< 1%
CAS: 4098-71-9 EINECS: 223-861-6	isphorone di-isocyanate ☠ T R23; ☒ Xn R42/43; ☒ Xi R36/37/38; ☒ N R51/53	< 0.5%
CAS: 540-84-1 EINECS: 208-759-1	2,2,4-trimethylpentane ☒ Xn R65; ☒ Xi R38; ☒ F R11; ☒ N R50/53 R67	< 0.25%

· SVHC

25550-51-0 | hexahydromethylphthalic anhydride

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

4 First aid measures

- **Description of first aid measures**
- **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.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents**
Water.
Water with a full water jet.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Prevent material from reaching sewage system, holes and cellars.
Inform respective authorities in case product reaches water or sewage system.
Do not allow to enter drainage system, surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

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- **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 information on disposal.

7 Handling and storage

- **Handling**
- **Precautions 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.
- **Conditions for safe storage, including any incompatibilities**
- **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:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers.
- **Recommended storage temperature:** 5-30 °C
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

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

141-78-6 ethyl acetate

WEL Short-term value: 400 ppm
Long-term value: 200 ppm

4098-71-9 isophorone di-isocyanate

WEL Short-term value: 0.07 mg/m³
Long-term value: 0.02 mg/m³
Sen; as -NCO

· **Additional information:** The lists that were valid during the compilation were used as basis.

- **Exposure controls**
- **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.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Breathing equipment:** 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.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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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.

· **Body protection:** Protective work clothing.

9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

· Form:	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

· Melting point/Melting range:	Not determined
· Boiling point/Boiling range:	77 °C

· **Flash point:** -4 °C

· **Inflammability (solid, gaseous)** Not applicable.

· **Ignition temperature:** 450 °C

· **Decomposition temperature:** Not determined.

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· **Critical values for explosion:**

· Lower:	0.7 Vol %
· Upper:	11.5 Vol %

· **Vapour pressure at 20 °C:** 97 hPa

· Density at 20 °C	1 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

· **Solubility in / Miscibility with**

· **Water:** Not miscible or difficult to mix

· **Partition coefficient (n-octanol/water):** Not determined.

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- **Viscosity:**
 - dynamic:** Not determined.
 - kinematic:** Not determined.
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with alcohols, amines, aqueous acids and alkalis
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**
 - Acids, oxidizing products.
 - Oxidizing agents.
- **Hazardous decomposition products:**
 - Carbon monoxide
 - No dangerous decomposition products known
 - Carbon monoxide and carbon dioxide
 - Nitrogen oxides (NOx)

11 Toxicological information

- **Information on toxicological effects**
- **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:
 - Irritant

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

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- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
Harmful to aquatic organisms
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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **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

- | | |
|---|---|
| · UN-Number
· ADR, IMDG, IATA | UN1993 |
| · UN proper shipping name
· ADR
· IMDG, IATA | 1993 FLAMMABLE LIQUID, N.O.S., special provision 640D (ETHYL ACETATE, Solvent naphtha (petroleum), light arom.)
FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE, Solvent naphtha (petroleum), light arom.) |
| · Transport hazard class(es)
· ADR, IMDG, IATA | |
|  | |
| · Class
· Label | 3 Flammable liquids.
3 |
| · Packing group
· ADR, IMDG, IATA | II |
| · Environmental hazards:
· Marine pollutant: | No |
| · Special precautions for user
· Kemler Number: | Warning: Flammable liquids.
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- **EMS Number:** *F-E,S-E*
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** *Not applicable.*
- **Transport/Additional information:**
- **ADR**
- **Limited quantities (LQ)** *1L*
- **Transport category** *2*
- **Tunnel restriction code** *D/E*

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
I	< 1
NK	50-100

- **Water hazard class:** *Water hazard class 2 (Self-assessment): hazardous for water.*
- **MAL-Code** *5-3*
- **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

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 phrases**
- R10 Flammable.*
- R11 Highly flammable.*
- R23 Toxic by inhalation.*
- R36 Irritating to eyes.*
- R36/37/38 Irritating to eyes, respiratory system and skin.*
- R37 Irritating to respiratory system.*
- R38 Irritating to skin.*
- R41 Risk of serious damage to eyes.*
- R42/43 May cause sensitisation by inhalation and skin contact.*
- R43 May cause sensitisation by skin contact.*
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- R65 Harmful: may cause lung damage if swallowed.*
- R66 Repeated exposure may cause skin dryness or cracking.*
- R67 Vapours may cause drowsiness and dizziness.*

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