

## Material Safety Data Sheet

According to 91/155 EEC

Printing date 09.03.2006

Reviewed on 09.03.2010





### 1 Identification of the substance/preparation and of the company/undertaking

- Product details
- Trade name: PRIMER FOR ANTISLIPPING SYSEM PART B \_\_\_\_\_
- Article number: 649-104/1
- Application of the substance / the preparation: In industrial application
- Manufacturer/Supplier: TAMBOUR LTD.
- Further information obtainable from: Health & Safety

### 2 Composition/information on ingredients

- Chemical characterization
- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 1330-20-7 EINECS: 215-535-7	xylene (mix)	 Xn; R 10-20/21-38	25-50%
CAS: 100-51-6 EINECS: 202-859-9	Benzyl alcohol	 Xn; R 20/22-43	10-25%
CAS: 71-36-3 EINECS: 200-751-6	butanol	 Xn; R 10-22-37/38-41-67	2.5-10%
CAS: 112-24-3 EINECS: 203-950-6	3,6-diazaoctanethylenediamin	 C; R 21-34-43-52/53	1.0-2.5%

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

### 3 Hazards identification

- Hazard description:



Xn Harmful

- 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.
  - R 10 Flammable.
  - R 20/21 Harmful by inhalation and in contact with skin.
  - R 36/38 Irritating to eyes and skin.
  - R 43 May cause sensitisation by skin contact.
- Classification system:  
The classification is according to the latest editions of the EU-lists and extended by company and literature data.

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Trade name: PRIMER FOR ANTISLIPPING SYSEM PART B

(Contd. of page 1)

**4 First aid measures**

- General information:  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After inhalation:  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist 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  
Water with full jet
- Protective equipment: Mouth respiratory protective device.

**6 Accidental release measures**

- Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
- Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents

**7 Handling and storage**

- Handling:
- Information for safe handling:  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- Information about fire - and explosion protection:  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- Storage:  
Requirements to be met by storerooms and receptacles: No special requirements.  
Information about storage in one common storage facility: Not required.  
Further information about storage conditions: Keep container tightly sealed.

**8 Exposure controls/personal protection**

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

- Ingredients with limit values that require monitoring at the workplace:

1330-20-7 xylene (mix)

WEL	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm
	Long-term value: 220 mg/m <sup>3</sup> , 50 ppm

71-36-3 butanol

WEL	Short-term value: 154 mg/m <sup>3</sup> , 50 ppm
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(Contd. on page 3)

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(Contd. of page 2)

- Additional information: The lists valid during the making were used as basis.
- Personal protective equipment:
- General protective and hygienic measures:
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes and skin.
- Respiratory protection:
  - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands:



Protective gloves

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.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves
  - 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 goggles

## 9 Physical and chemical properties

### · General Information

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic

### · Change in condition

Melting point/Melting range: Undetermined.  
Boiling point/Boiling range: 116°C

· Flash point: 21 - 55°C

· Ignition temperature: 340.0°C

· Self-igniting: Product is not selfigniting.

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

### · Explosion limits:

Lower: 1.1 Vol %  
Upper: 13.0 Vol %

· Vapour pressure at 20°C: 6.7 hPa

(Contd. on page 4)

# Material Safety Data Sheet

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(Contd. of page 3)

· Density:	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Solvent content:	
Organic solvents:	37.0 %
Water:	0.0 %
VOC Content	37.0 %
· Solids content:	56.2 %

## 10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions: No dangerous reactions known.
- Dangerous decomposition products: No dangerous decomposition products known.

## 11 Toxicological information

- Acute toxicity:

- LD/LC50 values relevant for classification:

1330-20-7 xylene (mix)

Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rbt)
Inhalative	LC50/4 h	6350 mg/l (rat)

- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:

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

Harmful  
Irritant

## 12 Ecological information

- General notes:  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

## 13 Disposal considerations

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

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(Contd. on page 5)

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(Contd. of page 4)

## 14 Transport information

- Land transport ADR/RID (cross-border)



- ADR/RID class: 3 Flammable liquids.
- Danger code (Kemler): 30
- UN-Number: 1993
- Packaging group: III
- Hazard label: 3
- Description of goods: 1993 FLAMMABLE LIQUID, N.O.S. (not viscous) (XYLENES)

- Maritime transport IMDG:



- IMDG Class: 3
- UN Number: 1993
- Label: 3
- Packaging group: III
- EMS Number: F-E,S-E
- Marine pollutant: No
- Proper shipping name: FLAMMABLE LIQUID, N.O.S. (XYLENES)

- Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1993
- Label: 3
- Packaging group: III
- Proper shipping name: FLAMMABLE LIQUID, N.O.S. (XYLENES)

## 15 Regulatory information

- Labelling according to EU guidelines:  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- Code letter and hazard designation of product:  
Xn Harmful
- Hazard-determining components of labelling:  
Benzyl alcohol  
3,6-diazaoctanethylenediamin  
xylene (mix)
- Risk phrases:  
10 Flammable.  
20/21 Harmful by inhalation and in contact with skin.  
36/38 Irritating to eyes and skin.  
43 May cause sensitisation by skin contact.
- Safety phrases:  
7/9 Keep container tightly closed and in a well-ventilated place.  
23 Do not breathe gas/fumes/vapours/spray (appropriate wording to be specified by the manufacturer).

(Contd. on page 6)

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(Contd. of page 5)

- 25 Avoid contact with eyes.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 51 Use only in well-ventilated areas.
- 60 This material and its container must be disposed of as hazardous waste.

- National regulations:

- Technical instructions (air):

Class	Share in %
NK	37.0

- Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-phrases

- 10 Flammable.
- 20/21 Harmful by inhalation and in contact with skin.
- 20/22 Harmful by inhalation and if swallowed.
- 21 Harmful in contact with skin.
- 22 Harmful if swallowed.
- 34 Causes burns.
- 37/38 Irritating to respiratory system and skin.
- 38 Irritating to skin.
- 41 Risk of serious damage 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.
- 67 Vapours may cause drowsiness and dizziness.

- Department issuing MSDS: Tambour Ltd.- Health & Safety Department.

- Contact:

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