

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 21.01.2010

Revision: 21.01.2010

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

- **Product details**
- **Trade name:** ANTI SKIDING PRIMER PART A
- **Article number:** 649103/1 equal to military article number 6670-14298
- **Application of the substance / the preparation** PAINT
- **Manufacturer/Supplier:** TAMBOUR LTD.
- **Further information obtainable from:** Health & Safety

2 Hazards identification

· **Hazard description:**



Xn Harmful
F Highly flammable

· **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 11 Highly flammable.
- R 20 Harmful by inhalation.
- R 36 Irritating to eyes.
- R 65 Harmful: may cause lung damage if swallowed.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

· **Chemical characterization**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 108-10-1 EINECS: 203-550-1	4-methylpentan-2-one Xn, Xi, F; R 11-20-36/37-66	10-25%
CAS: 110-43-0 EINECS: 203-767-1	heptan-2-one Xn; R 10-20/22	10-25%
CAS: 90641-13-7 EINECS: 292-637-8	Naphtha (petroleum), steam-cracked, hydrotreated, C9-10-arom.-rich Xn; R 65	10-25%
CAS: 7727-43-7 EINECS: 231-784-4	barium sulphate, natural	2.5-10%
CAS: 1330-20-7 EINECS: 215-535-7	xylene (mix) Xn, Xi; R 10-20/21-38	2.5-10%
CAS: 71-36-3 EINECS: 200-751-6	butanol Xn, Xi; R 10-22-37/38-41-67	2.5-10%

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

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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Generally the product does not irritate the skin.

· **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:** CO₂, 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:**

Prevent seepage into sewage system, workpits and cellars.

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:** Store in a 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 receptacles.

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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:**

108-10-1 4-methylpentan-2-one

WEL	Short-term value: 416 mg/m ³ , 100 ppm
	Long-term value: 208 mg/m ³ , 50 ppm
	Sk

110-43-0 heptan-2-one

WEL	Short-term value: 475 mg/m ³ , 100 ppm
	Long-term value: 237 mg/m ³ , 50 ppm
	Sk

7727-43-7 barium sulphate, natural

WEL	Long-term value: 10* 4** mg/m ³
	*inhalable dust **respirable dust

1330-20-7 xylene (mix)

WEL	Short-term value: 441 mg/m ³ , 100 ppm
	Long-term value: 220 mg/m ³ , 50 ppm
	Sk; BMGV

71-36-3 butanol

WEL	Short-term value: 154 mg/m ³ , 50 ppm
	Sk

· **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.

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:**

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.

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· **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:	114°C

· **Flash point:** 14°C· **Ignition temperature:** 460°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:	1.0 Vol %
Upper:	9.0 Vol %

· **Vapour pressure at 20°C:** 8 hPa· **Density:** Not determined.· **Solubility in / Miscibility with**

water: Not miscible or difficult to mix.

· **Solvent content:**

Organic solvents:	32.0 %
Water:	0.0 %

VOC Content 32.0 %
468.7 g/l / 11.33 lb/gl

· **Solids content:** 68.0 %

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:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

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· **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.

14 Transport information

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



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1263
- **Packaging group:** II
- **Hazard label:** 3
- **Description of goods:** 1263 PAINT (vapor pressure at 50°C at most 110 kPa)

· **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1263
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Proper shipping name:** PAINT

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



- **ICAO/IATA Class:** 3

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- **UN/ID Number:** 1263
- **Label** 3
- **Packaging group:** II
- **Proper shipping name:** PAINT

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
F Highly flammable
 - **Hazard-determining components of labelling:**
Naphtha (petroleum), steam-cracked, hydrotreated, C9-10-arom.-rich
 - **Risk phrases:**
11 Highly flammable.
20 Harmful by inhalation.
36 Irritating to eyes.
65 Harmful: may cause lung damage if swallowed.
 - **Safety phrases:**
9 Keep container in a well-ventilated place.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
25 Avoid contact with eyes.
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 | 33.5 |
- **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.*
- 11 Highly flammable.*
- 20 Harmful by inhalation.*
- 20/21 Harmful by inhalation and in contact with skin.*
- 20/22 Harmful by inhalation and if swallowed.*
- 22 Harmful if swallowed.*
- 36/37 Irritating to eyes and respiratory system.*
- 37/38 Irritating to respiratory system and skin.*
- 38 Irritating to skin.*
- 41 Risk of serious damage to eyes.*
- 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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