



# TARA PAINTS & CHEMICALS

A/423/14, MAHAGUJARAT INDUSTRIAL ESTATE, SARKHEJ-BAVLA ROAD, B/H. SARVOTTAM HOTEL LANE, VILLAGE-MORAIYA, AHMEDABAD - 382210

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## 0853 WB 1K Acry Matt

### Safety Data Sheet

Trade name : **TARALAC 1K WATER BASE ACRYLIC FINISHES FOR WOOD**

Use : Coating for Wood

#### Company

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## 2. HAZARDS IDENTIFICATION

Not a product dangerous for health or the environment according to the definition of and their valid adaptations and derived national regulations.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Type of product:** Mixture

water-thinnable polyacrylate containing hydroxylgroups ca. 41 % in water / 1-butoxy-2-propanol 54 : 3,4

#### Hazardous components

1-Butoxy-2-propanol

Concentration [wt.-%]: ca. 3,4

CAS-No.: 5131-66-8

EINECS-No.: 225-878-4

Index-No.: 603-052-00-8

Classification (67/548/EEC): Xi R36/38

Specific threshold concentration

Xi R36/38 >= 20 %

#### SAFETY DATA SHEET

neutralising agent, bound as a salt:

2-dimethylaminoethanol

Concentration [wt.-%]: ca. 1,6

CAS-No.: 108-01-0

EINECS-No.: 203-542-8

Index-No.: 603-047-00-0

Classification (67/548/EEC): R10 Xn R20/21/22 C R34

Specific threshold concentration

Xi R36/37/38 5 - < 10 %

C R34 10 - < 25 %

C R20/21/22, R34 >= 25 %

## 4. FIRST AID MEASURES

**General advice:** Remove contaminated clothing.

**If inhaled:** If there is difficulty in breathing, medical attention should be obtained.

**In case of skin contact:** In case of skin contact wash affected areas thoroughly with soap and plenty of water.

Consult a doctor in the event of a skin reaction.

**In case of eye contact:** Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.

**If swallowed:** DO NOT induce the patient to vomit, medical advice is required.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Carbon dioxide (CO<sub>2</sub>), Foam, extinguishing powder, in cases of

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larger fires, water spray should be used.

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**Unsuitable extinguishing media:** High volume water jet Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes. Firemen must wear self-contained breathing apparatus. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on protective equipment (see chapter 8). Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.

**Environmental precautions:** Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:** Take up with absorbent for chemicals or, if necessary with dry sand and store in closed containers.

**Additional advice:** For further disposal measures see chapter 13.

## 7. HANDLING AND STORAGE

### Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Precautions should generally be taken against electrostatic charges according to the equipment used and the way the product is handled and packaged.

### Storage

Keep container dry and tightly closed in a cool and well ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet. VCI storage class (VCI = German Association of the Chemical Industry): 12

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No information on Exposure Limit Values necessary according to EC directive 2006/121/EG

### Hand protection:

Protective gloves are recommended.

Conditionally suitable materials for protective gloves; EN 374-3:

Nitrile rubber - NBR ( $\geq 0.35$  mm)

Breakthrough time not tested; dispose of immediately after contamination.

### Eye protection:

Wear eye/face protection.

### Skin and body protection:

Wear suitable protective clothing.

### Hygiene measures:

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately. Change contaminated or soaked clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Colour: white

Form: liquid

Odour: slight inherent odour

Freezing temperature: 0 °C ISO 3016

Initial boiling point: 96 °C at 1.013 hPa EG A2

Density: 1,050 g/cm<sup>3</sup> at 20 °C DIN 51757

Vapour pressure: 25 hPa at 20 °C EG A4

124 hPa at 50 °C EG A4

155 hPa at 55 °C EG A4

Viscosity, dynamic: 83,0 mPa.s at 20 °C DIN 53019

Shear gradient D = ca. 100 /s

Viscosity, kinematic: 79,0 mm<sup>2</sup>/s at 20 °C

value calculated



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Flow time: 60 s at 20 °C at 4 mm nozzle  
value calculated  
Miscibility with water: miscible at 15 °C  
pH: 8,2 at 22 °C  
(Determined in a 10 % aqueous solution)  
Flash point: No flash point up to initial boiling point. DIN EN ISO 2719

Ignition temperature: 4 10 °C at 980 hPa DIN 51794

Explosion limits:

1-Butoxy-2-propanol upper: 11,4 % (V) / lower: 1,1 % (V)

Further information: The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.

## 10. STABILITY AND REACTIVITY

**Hazardous reactions:** No hazardous reactions observed.

**Hazardous decomposition products:** On drying of the coating / hardening release of neutralising agent. (see chapter 3)

## 11. TOXICOLOGICAL INFORMATION

Toxicological studies on the product are not yet available. For risk assessment data of a similar product: Acute toxicity LD50 oral, rat: >2000 mg/kg Skin effect: No skin irritation is expected. Eye effect: Weak irritation of the eyes possible. Salmonella/microsome test (Ames test): No indication of mutagenic effects. Please find below the toxicological data available to us for the components.

**Acute toxicity, oral:**

1-Butoxy-2-propanol  
LD50 rat: > 2.000 mg/kg

**Acute toxicity, dermal:**

1-Butoxy-2-propanol  
LD50 rat: > 2.000 mg/kg

**Primary skin irritation:**

1-Butoxy-2-propanol  
rabbit

Result: irritating

**Primary mucosae irritation:**

1-Butoxy-2-propanol  
rabbit

Result: irritating

**Sensitisation:**

1-Butoxy-2-propanol  
Result: negative

**Genotoxicity in vitro:**

1-Butoxy-2-propanol  
Salmonella/microsome test (Ames test):  
Result: No indication of mutagenic effects.

## 12. ECOLOGICAL INFORMATION

Ecotoxicological studies of the product are not available. Do not allow to escape into waterways, wastewater or soil. For risk assessment data of a similar product: The product is not readily biodegradable. On the basis of the ecotoxicological data, the product can be classified as non-hazardous to fish. Because of the low bacterial toxicity, there is no risk of an adverse effect on the performance of biological waste water treatment plants. Please find below the ecotoxicological data available to us for the components.



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## **Biodegradability:**

1-Butoxy-2-propanol > 90 % 28 d, i.e. readily biodegradable  
Method: OECD Guideline for Testing of Chemicals, No.301 E

## **Bioaccumulation:**

1-Butoxy-2-propanol  
Bioconcentration factor (BCF) < 100

## **Toxicity to fish:**

1-Butoxy-2-propanol  
LC50 560 - 1.000 mg/l  
Test species: Poecilia reticulata (guppy)

## **Acute toxicity for daphnia:**

1-Butoxy-2-propanol  
EC50 > 1.000 mg/l  
Test species: Daphnia magna (Water flea)

## **13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.

## **14. TRANSPORT INFORMATION**

**ADR/RID** Not dangerous goods  
**ADNR** Not dangerous goods  
**IATA** Not dangerous goods  
**IMDG** Not dangerous goods  
Other information : Not dangerous cargo.  
Slight smell. Avoid temperatures below +5 °C.  
Avoid heat above +30 °C.  
Keep away from foodstuffs, acids and alkalis.

## **15. REGULATORY INFORMATION**

No labeling necessary according to EC Directives 2006/121/EC or 1999/45/EC and their valid adaptations and derived national regulations.

### **National legislation**

**Water contaminating class (Germany):** 1 slightly water endangering  
(in accordance with Annex 4 to the Directive on Water-Hazardous Substances)  
Any existing national regulations on the handling of solvents must be observed.

## **16. OTHER INFORMATION**

**Full text of R-phrases referred to under sections 2 and 3 of the EU classification.**

R10 Flammable.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R34 Causes burns.  
R36/38 Irritating to eyes and skin.