



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

Identification of the substance or preparation

TIP TOP BEAD-SEALER

Art.-No.:

593 0807, 593 0814, 593 1394

Use of the substance/preparation

Sealant

Company/undertaking identification

REMA TIP TOP GmbH a company of the group
Gruber Straße 63
D-85586 Poing

Stahlgruber Otto Gruber GmbH & Co KG
Gruber Straße 65
D-85586 Poing

Telephone ++49 (0) 8121 / 707 - 0

Inquiry office

Emergency telephone : ++49 (0) 6132 / 84463 (GBK Gefahrgut Buero GmbH, Ingelheim)

Responsible for the safety data sheet: sds@gbk-ingelheim.de

2. Hazards identification

Classification

Indications of danger : Highly flammable

R-phrases :

Highly flammable.

Vapours may cause drowsiness and dizziness.

3. Composition/information on ingredients

Chemical characterization (preparation)

Preparation in ethanol and isopropanol

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-578-6	64-17-5	Ethanol	< 35 %	F R11
200-661-7	67-63-0	Propan-2-ol	< 20 %	F, Xi R11-36-67
231-555-9	7632-00-0	Sodium nitrite	< 1 %	O, T, N R8-25-50

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

General information

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

After contact with skin

Wash off with soap and plenty of water.

Consult a doctor if skin irritation persists.



After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical treatment by eye specialist.

After ingestion

Summon a doctor immediately.

Rinse out mouth and give plenty of water to drink.

Induce vomiting only upon the advice of a physician.

5. Fire-fighting measures

Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), water-spray.

Extinguishing media which must not be used for safety reasons

Full water jet

Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases

Fire may produce:

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Protective suit

Additional information

Keep away from sources of ignition - No smoking.

Vapours are heavier than air and spread along ground.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

Personal precautions

In case of vapour formation use respirator.

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation.

Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

Additional information

Use only explosion-proof equipment.

7. Handling and storage

Handling

Advice on safe handling



Keep a good ventilation and air-exhaust at the place of work.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

Keep product and empty container away from heat and sources of ignition.

Do not smoke.

Take precautionary measures against static discharges.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Pay attention to anti-explosion rules.

Advice on storage compatibility

Incompatible with oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI)

3 A

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS No.	Substance	ml/m ³	mg/m ³	F/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
	Ethanol	-	-		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
	Propan-2-ol	500	1250		STEL (15 min)	WEL

Exposure controls

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale vapours.

Avoid contact with eyes and skin.

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Remove and wash contaminated clothes before re-use.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

Hand protection

Protective gloves resistant to chemicals made off butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Tightly fitting goggles

Skin protection

Long sleeved clothing.



9. Physical and chemical properties

General information

Physical state	Liquid
Colour	Dark grey
Odour	Alcoholic

Important health, safety and environmental information

		Test method
Changes in the physical state		
Melting point	< 0 °C	
Boiling point	> 78 °C	
Flash point	12 °C	approx.
Flammability		
Lower explosion limits	2 vol. %	
Upper explosion limits		
Ignition temperature	425 °C	approx.
Vapour pressure :	57 hPa	approx.
at (20 °C)		
Density (at 20 °C) :	< 1 g/cm ³	
Water solubility :	Miscible	
at (20 °C)		
Solvent content		
< 50 %		

10. Stability and reactivity

Conditions to avoid

Vapour/air mixtures are explosive at intensive warming.
Heating can release vapours which can be ignited.

Materials to avoid

Oxidizing agents.

Hazardous decomposition products

With secondary amines, formation of nitrosamines.
Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x)

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information

Empirical data on effects on humans

Vapours may cause drowsiness and dizziness.



Contact with eyes may cause irritation.

High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

Effects of breathing high concentrations of vapour may include

Headache, dizziness, weakness, unconsciousness

12. Ecological information

Further information

Ecological injuries are not known or expected under normal use.

Do not flush into surface water or sanitary sewer system.

Slightly water hazardous.

13. Disposal considerations

Advice on disposal

Where possible recycling is preferred to disposal.

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances

Classified as hazardous waste.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

14. Transport information

Land transport (ADR/RID)

ADR/RID class	3
Classification code :	F1
Hazard-no.	33
UN number	1987
Hazard label	3
ADR/RID packing group	II
Limited quantity	LQ 4

Description of the goods

ALCOHOLS, N.O.S. (Ethanol, Propan-2-ol)

Remarks (land transport)

LQ 4: combination packaging: 3 I / 30 kg (total gross mass); trays: 1 I / 20 kg (total gross mass).

Inland waterways transport

Marine transport

Safety Data Sheet according to Regulation (EU) No. 1907/2006

REMA TIP TOP GmbH

Revision date : 25.09.2007

Revision no. : 1,14

**TIP TOP BEAD-SEALER**

00156-0032

IMDG code	3
UN number	1987
Marine pollutant	No
EmS	F-E; S-D
IMDG packing group	II
Limited quantity :	1 L / 30 kg
Hazard label	3

Description of the goods

ALCOHOLS, N.O.S. (ethanol and isopropanol)

Remarks (marine transport)

Limited quantities (chapter 3.4): combination packaging: 1 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass)

Air transport

ICAO/IATA-DGR	3
UN/ID number	1987
Hazard label	3
IATA-packing instructions - Passenger	305
IATA-max. quantity - Passenger	5 L
IATA-packing instructions - Cargo	307
IATA-max. quantity - Cargo	60 L
ICAO packing group	II
Limited quantity Passenger	Y305 / 1 L

Description of the goods

ALCOHOLS, N.O.S. (ethanol and isopropanol, solution)

15. Regulatory information**Labelling**

Indication of danger	F - Highly flammable
Additional advice on labelling	According to EC-regulations the product is to be labelled as follows:

R phrases

11	Highly flammable.
67	Vapours may cause drowsiness and dizziness.

S phrases

16	Keep away from sources of ignition - No smoking.
24/25	Avoid contact with skin and eyes.
35	This material and its container must be disposed of in a safe way.
07	Keep container tightly closed.

National regulatory information

Employment restrictions	Observe employment restrictions for young people.; Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class 1999/13/EC (VOC)	1 - slightly water contaminating < 50 %

16. Other information**Full text of R-phrases referred to under sections 2 and 3**

08	Contact with combustible material may cause fire.
----	---

Safety Data Sheet according to Regulation (EU) No. 1907/2006

REMA TIP TOP GmbH

Revision date : 25.09.2007

Revision no. : 1,14



TIP TOP BEAD-SEALER

00156-0032

- | | |
|----|---|
| 11 | Highly flammable. |
| 25 | Toxic if swallowed. |
| 36 | Irritating to eyes. |
| 50 | Very toxic to aquatic organisms. |
| 67 | Vapours may cause drowsiness and dizziness. |

Other data

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)