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

Product identifier

TIP TOP TYRE SEALANT

Art.-No.

593 1040

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Tyre sealing material

Details of the supplier of the safety data sheet

REMA TIP TOP GmbH

Gruber Strasse 63

D-85586 Poing

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

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

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

SECTION 2: Hazards identification

Classification of the substance or mixture

Indications of danger : Harmful

R-phrases:

Harmful if swallowed.

Label elements

Danger symbols: Xn - Harmful



Xn - Harmful

R phrases

22 Harmful if swallowed.

S phrases

02 Keep out of the reach of children.

46 If swallowed, seek medical advice immediately and show this container or label.

Special labelling of certain mixtures

Contains Colophonium. May produce an allergic reaction.

Hazardous components which must be listed on the label

Ethane-1,2-diol

Other hazards

May cause sensitization of susceptible persons by skin contact.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical characterization

Aqueous solution

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
203-473-3	Ethane-1,2-diol	30 - 60 %
107-21-1	Xn R22	
603-027-00-1	Acute Tox. 4; H302	
232-475-7	Colophonium	< 1 %
8050-09-7	R43	
650-015-00-7	Skin Sens. 1; H317	
01-2119480418-32		

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

Description of first aid measures

General information

Remove contaminated soaked clothing immediately.
In the event of persistent symptoms receive medical treatment.

After inhalation

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

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.
If eye irritation persists, consult a specialist.

After ingestion

Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.
Never give anything by mouth to an unconscious person.
Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Harmful if swallowed.
Inhalation of vapours may cause mild irritation to the mucous membrane.
Repeated or prolonged exposure may cause irritation of eyes and skin.
May cause sensitization of susceptible persons by skin contact.

Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.
Foam, carbon dioxide (CO₂), dry chemical, water-spray.
Sand

Extinguishing media which must not be used for safety reasons

Full water jet.

Special hazards arising from the substance or mixture

Fire may produce:
Carbon monoxide and carbon dioxide.

Advice for firefighters

Use breathing apparatus with independent air supply.
Protective suit.



TIP TOP TYRE SEALANT
00156-0389

Additional information

Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Use personal protective clothing.

Environmental precautions

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

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Shovel into suitable container for disposal.

Reference to other sections

Observe protective instructions (see Sections 7 and 8).
Information for disposal look up chapter 13.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Keep container tightly closed.
Avoid contact with the skin and the eyes.

Advice on protection against fire and explosion

No special protective measures against fire required.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Advice on storage compatibility

Incompatible with oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Specific end use(s)

Tyre sealing material

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

CAS No	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
107-21-1	Ethane-1,2-diol, vapour	20	52		TWA (8 h)	WEL
		40	104		STEL (15 min)	WEL
8050-09-7	Rosin-based solder flux fume	-	0.05		TWA (8 h)	WEL
		-	0.15		STEL (15 min)	WEL

Exposure controls

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Avoid contact with eyes and skin.
Wash hands before breaks and at the end of workday.
When using, do not eat, drink or smoke.
Remove and wash contaminated clothes before re-use.



TIP TOP TYRE SEALANT

00156-0389

Respiratory protection

No personal respiratory protective equipment normally required.

Hand protection

Protective gloves resistant to chemicals made off natural-rubber latex, minimum coat thickness 0.6 mm, permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Lapren 706> 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

Safety goggles with side protection.

Skin protection

Long sleeved clothing.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Liquid

Colour:

Odour: Soft

pH-Value:

Test method
n.d.

Changes in the physical state

Flash point:

n.a.

Lower explosion limits:

n.d.

Upper explosion limits:

Ignition temperature:

n.d.

Density (at 20 °C):

n.d.

Water solubility:

Miscible

(at 20 °C)

SECTION 10: Stability and reactivity

Reactivity

No decomposition if stored and applied as directed.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Reactions with oxidizing agents.

Conditions to avoid

To avoid thermal decomposition, do not overheat.

Heating can release vapours which can be ignited.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Harmful if swallowed.

No toxicological data available.

Ethane-1,2-diol

LD50/oral/rat: 5840 mg/kg

LD50/dermal/rabbit: 9530 mg/kg



TIP TOP TYRE SEALANT
00156-0389

LC50/inhalation/rat: 50100 mg/m³/8 h
LDLo/oral/Human: 398 mg/kg

Irritation and corrosivity

Eye irritation: Not classified.
Skin irritation: Not classified.

Sensitising effects

Not classified.
May cause sensitization of susceptible persons by skin contact.

Severe effects after repeated or prolonged exposure

STOT - Single exposure: Not classified.
STOT - Repeated exposure: Not classified.
Aspiration hazard: Not classified.

Carcinogenic/mutagenic/toxic effects for reproduction

Carcinogenicity: Not classified.
Mutagenicity: Not classified.
Teratogenicity: Not classified.

Additional information on tests

Classification in compliance with the assessment procedure specified in the EC guidelines 1999/45/EG.

Empirical data on effects on humans

Inhalation of vapours may cause mild irritation to the mucous membrane.
Repeated or prolonged exposure may cause irritation of eyes and skin.

SECTION 12: Ecological information

Toxicity

Ecological data are not available.
Ethane-1,2-diol
LC50/Oncorhynchus mykiss/96 h = 40761 mg/l
EC50/Daphnia magna/48 h = 41100 mg/l

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

Low hazard to waters.

Further information

Ecological injuries are not known or expected under normal use.
Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Where possible recycling is preferred to disposal.
Can be incinerated, when in compliance with 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.



TIP TOP TYRE SEALANT
00156-0389

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

SECTION 14: Transport information

Other applicable information

No hazardous material as defined by the transport regulations.

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

1999/13/EC (VOC): 0 %

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 1 - slightly water contaminating

Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

22 Harmful if swallowed.
43 May cause sensitization by skin contact.

Full text of H-Statements referred to under sections 2 and 3

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.

Further Information

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.)