

**Safety Data Sheet**

according to WHMIS

**TIP TOP RCF SEALER PLUS**

Date (latest revision): 10.07.2025

Product code: 00156-0428

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**1. Identification****Product identifier**

TIP TOP RCF SEALER PLUS

**Art.-No.**

515 9091, 599 2100

**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**

Company name: REMA TIP TOP / North America Inc.  
Street: 1500 Industrial Blvd  
Place: Madison, GA 30650, USA  
Telephone: +1 800 225 7362,  
Internet: www.rematiptop.com  
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

**Emergency telephone number:** (001) 352 323 3500 Infotrac/GBK GmbH-ID: 93591**2. Hazard identification****Classification of the substance or mixture****WHMIS 2015**

Specific target organ toxicity - repeated exposure: STOT RE 2

**Label elements****WHMIS 2015****Signal word:** Warning**Pictograms:****Hazard statements**

May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements**Do not breathe vapour.  
Get medical advice/attention if you feel unwell.**Other hazards**

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

**3. Composition/information on ingredients****Mixtures****Chemical characterization**

Aqueous solution

**Hazardous components**

CAS No	Chemical name	Quantity
107-21-1	Ethane-1,2-diol	< 5 %



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#### 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, whether acute or delayed

May cause damage to organs through prolonged or repeated exposure.  
Inhalation of vapours may cause mild irritation to the mucous membrane.  
Repeated or prolonged exposure may cause irritation of eyes and skin.

WHMIS: This material is considered hazardous by WHMIS 2015 (Workplace Hazardous Materials Information System).

##### Indication of immediate medical attention and special treatment needed

Treat symptoms.

#### 5. Fire-fighting measures

##### Extinguishing media

###### Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.  
Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.  
Sand

###### Unsuitable extinguishing media

Full water jet.

##### Specific hazards arising from the hazardous product

Fire may produce:  
carbon monoxide and carbon dioxide

##### Special protective equipment and precautions for fire-fighters

Use breathing apparatus with independent air supply.  
Protective suit.

##### 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.

#### 6. Accidental release measures

##### Personal precautions, protective equipment and emergency procedures



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#### General advice

Ensure adequate ventilation.  
Keep away noninvolved persons.

#### For non-emergency personnel

Avoid contact with skin, eyes and clothing.

#### For emergency responders

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

##### For containment

Prevent spread over a wide area (e.g. by containment or oil barriers).

##### For 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.

## 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.

##### Advice on general occupational hygiene

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.

#### 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.

##### Hints on joint storage

Incompatible with oxidizing agents.

##### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

## 8. Exposure controls/Personal protection

#### Control parameters

#### Exposure limits (ACGIH)

CAS No	Chemical name	ppm	mg/m <sup>3</sup>	F/ml	Category	Origin
1333-86-4	Carbon black (inhalable fraction)		3		TWA (8 h)	ACGIH-2024
107-21-1	Ethylene glycol (vapor fraction)	25			TWA (8 h)	ACGIH-2024
		50			STEL (15 min)	ACGIH-2024

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**Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Safety goggles with side protection

**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 &lt;Lapren 706&gt; 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.

**Skin protection**

Long sleeved clothing.

**Respiratory protection**

No personal respiratory protective equipment normally required.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	Black
Odour:	Soft

**Changes in the physical state**

Melting point/freezing point:	- 5 °C
Boiling point or initial boiling point and boiling range:	n. d.
Sublimation point:	n.a.
Softening point:	n. d.
Flash point:	n.a.

**Flammability**

Solid/liquid:	n.a.
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**Explosive properties**

The product is not explosive.

Lower explosive limits:	n.d.
Upper explosive limits:	n. d.
Auto-ignition temperature:	n.d.

**Self-ignition temperature**

Solid:	n.a.
Gas:	n.a.

Decomposition temperature:	n. d.
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pH-Value (at 20 °C):	8,1
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Viscosity / dynamic: (at 25 °C)	16000 - 20000 mPa·s
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Viscosity / kinematic:	n. d.
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Flow time:	n. d.
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Water solubility: (at 20 °C)	Miscible
<b>Solubility in other solvents</b> n. d.	
Partition coefficient n-octanol/water:	n. d.
Vapour pressure:	n. d.
Density (at 20 °C):	1,0 g/cm <sup>3</sup>
Bulk density:	n.a.
Relative vapour density:	n. d.

**Other information****Information with regard to physical hazard classes**

Oxidizing properties  
Not oxidising.

**Other safety characteristics**

Solvent separation test:	0 %
Solvent content:	0 %
Evaporation rate:	n. d.

**Further Information**

No data available

**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**

No hazardous decomposition products known.  
Fire may produce:  
Carbon monoxide and carbon dioxide

**11. Toxicological information****Information on toxicological effects****Acute toxicity**

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Based on available data, the classification criteria are not met.  
No toxicological data available.

Ethane-1,2-diol  
LD50/oral/rat: 5840 mg/kg  
LD50/dermal/rabbit: 9530 mg/kg  
LC50/inhalativ/rat: 50100 mg/m<sup>3</sup>/8 h  
LDLo/oral/Human: 398 mg/kg

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.  
Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitizing effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.  
Carcinogenicity: Based on available data, the classification criteria are not met.  
Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure. (Ethane-1,2-diol)

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

**Information on other hazards****Endocrine disrupting properties**

No data available

**Other information**

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

**12. Ecological information****Ecotoxicity**

Ecological dates 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

**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.



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#### Other adverse effects

Slightly water hazardous.

#### Further information

Ecological injuries are not known or expected under normal use.

Do not flush into surface water or sanitary sewer system.

### 13. Disposal considerations

#### Waste treatment methods

##### **Disposal recommendations**

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

##### **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

#### **Canadian TDG**

##### Proper shipping name:

No dangerous good in sense of this transport regulation.

##### Hazard classes:

#### **Marine transport (IMDG)**

##### UN number or ID number:

No dangerous good in sense of this transport regulation.

##### United Nations proper shipping name:

No dangerous good in sense of this transport regulation.

##### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### Packing group:

No dangerous good in sense of this transport regulation.

#### **Air transport (ICAO-TI/IATA-DGR)**

##### UN number or ID number:

No dangerous good in sense of this transport regulation.

##### United Nations proper shipping name:

No dangerous good in sense of this transport regulation.

##### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### Packing group:

No dangerous good in sense of this transport regulation.

#### **Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

### 15. Regulatory information

#### **Canadian regulations**

##### **National Pollutant Release Inventory (NPRI)**

Ethylene glycol (107-21-1)

##### **WHMIS classification**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

### 16. Other information

#### **Changes**

This data sheet contains changes from the previous version in section(s): 9.



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#### Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
IMDG = International Maritime Code for Dangerous Goods  
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
MARPOL = International Convention for the Prevention of Pollution from Ships  
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals  
CAS = Chemical Abstract Service  
EN = European norm  
ISO = International Organization for Standardization  
DIN = Deutsche Industrie Norm  
PBT = Persistent Bioaccumulative and Toxic  
vPvB = Very Persistent and very Bio-accumulative  
LD = Lethal dose  
LC = Lethal concentration  
EC = Effect concentration  
IC = Median immobilisation concentration or median inhibitory concentration

#### Further Information

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release 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)

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