

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP FIXPASTE REMA GOO PART B

Revision date: 29.11.2022

Product code: 00156-0380

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

##### 1.1. Product identifier

TIP TOP FIXPASTE REMA GOO PART B

##### Art.-No.

525 3100, 525 3105, 594 2510

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Conveyor belt repair material

##### 1.3. Details of the supplier of the safety data sheet

Company name: REMA TIP TOP AG

Street: Gruber Strasse 65

Place: D-85586 Poing

Telephone: +49 (0) 8121 / 707 - 100

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

##### 1.4. Emergency telephone number:

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
Public Poisons Information Line: +353 (0) 1 809 2166 (8am-10pm 7 days a week)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

##### Regulation (EC) No 1272/2008

Acute Tox. 4; H302

Skin Irrit. 2; H315

Eye Irrit. 2; H319

Skin Sens. 1; H317

Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

##### 2.2. Label elements

##### Regulation (EC) No 1272/2008

##### Hazard components for labelling

polyetherpolyol

Polypropylene glycol

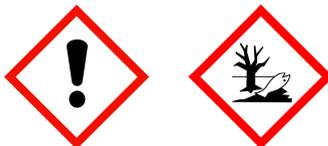
Diethylmethylbenzenediamine

Xylylenediamine

##### Signal word:

Warning

##### Pictograms:



##### Hazard statements

H302

Harmful if swallowed.

H319

Causes serious eye irritation.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H411

Toxic to aquatic life with long lasting effects.

##### Precautionary statements

P280

Wear protective gloves/protective clothing/eye protection/face protection.

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P362+P364	Take off contaminated clothing and wash it before reuse.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P273	Avoid release to the environment.

**2.3. Other hazards**

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

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Mixture containing following substances with additives :

**Hazardous components**

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
9082-00-2	polyetherpolyol			45 - 70 %
	Acute Tox. 4; H302			
68479-98-1	Diethylmethylbenzenediamine			1 - 5 %
	270-877-4	612-130-00-0	01-2119486805-25	
	Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H312 H302 H319 H373 H400 H410			
110-63-4	1,4-Butanediol			1 - 5 %
	203-786-5		01-2119471849-20	
	Acute Tox. 4, STOT SE 3; H302 H336			
1477-55-0	Xylylenediamine			< 2 %
	216-032-5		01-2119480150-50	
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1B, Aquatic Chronic 3; H332 H302 H314 H317 H412 EUH071			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. Limits, M-factors and ATE			
9082-00-2		polyetherpolyol	45 - 70 %	
	oral: ATE = 500 mg/kg			
68479-98-1	270-877-4	Diethylmethylbenzenediamine	1 - 5 %	
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = 598 mg/kg			
110-63-4	203-786-5	1,4-Butanediol	1 - 5 %	
	inhalation: LC50 = > 5,1 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1500 mg/kg			
1477-55-0	216-032-5	Xylylenediamine	< 2 %	
	inhalation: LC50 = 2,4 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = ~ 2000 mg/kg; oral: LD50 = 930 mg/kg			



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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

- Remove contaminated soaked clothing immediately.
- Consult a physician.
- Take away from danger area and lay down affected person.

###### 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

- In case of contact with skin wash off immediately with 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

- Do not induce vomiting.
- Rinse out mouth and give plenty of water to drink.
- Never give anything by mouth to an unconscious person.
- Summon a doctor immediately.
- Induce vomiting only upon the advice of a physician.

##### 4.2. Most important symptoms and effects, both acute and delayed

- Harmful if swallowed.
- Causes serious eye irritation.
- Causes skin irritation.
- May cause an allergic skin reaction.

##### 4.3. Indication of any immediate medical attention and special treatment needed

- Treat symptoms.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media

- Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.

###### Unsuitable extinguishing media

- Full water jet.

##### 5.2. Special hazards arising from the substance or mixture

- Fire may produce:  
Chlorine compounds, Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>).

##### 5.3. Advice for firefighters

- Wear self-contained breathing apparatus and protective suit.

###### Additional information

- Do not release chemically contaminated water into drains, soil or surface waters. Sufficient measures must be taken to retain water used for extinguishing.
- 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

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



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#### General advice

Ensure adequate ventilation.  
Keep away noninvolved persons.

#### For non-emergency personnel

Do not breathe vapours.  
Avoid contact with skin, eyes and clothing.

#### For emergency responders

In case of vapour formation use respirator.  
Use personal protective clothing.

#### 6.2. Environmental precautions

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

#### 6.3. 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.

#### 6.4. Reference to other sections

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

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Keep container tightly closed.  
Avoid contact with the skin and the eyes.  
Use only in thoroughly ventilated areas.  
Do not breathe vapours.

##### Advice on protection against fire and explosion

No special protective measures against fire required.

#### 7.2. 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 strong acids and oxidizing agents.

##### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

#### 7.3. Specific end use(s)

Conveyor belt repair material

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
1477-55-0	m-Xylene alpha,alpha'-diamine (m-phenylenebis(methylamine))	-	0.1		TWA (8 h)	

#### 8.2. Exposure controls

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**Appropriate engineering 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.

**Eye/face protection**

Tightly fitting goggles (EN 166).

Eye wash bottle with pure water (EN 15154).

**Hand protection**

Impermeable gloves

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 (DIN EN ISO 6530)

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	Viscous liquid
Colour:	Amber
Odour:	Amine like
pH-Value:	> 8

**Changes in the physical state**

Melting point/freezing point:	n. d.
Boiling point or initial boiling point and boiling range:	> 210 °C
Sublimation point:	n.a.
Softening point:	n. d.
:	n. d.
Flash point:	> 140 °C

**Flammability**

Solid/liquid:	n.a.
Gas:	n.a.

**Explosive properties**

The product is not explosive.

Lower explosion limits:	n. d.
Upper explosion 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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**Oxidizing properties**

Not oxidising.

Vapour pressure: n. d.

Density (at 25 °C): 1,01 g/cm<sup>3</sup>

Bulk density: n.a.

Water solubility: Immiscible  
(at 20 °C)**Solubility in other solvents**

n. d.

Partition coefficient n-octanol/water: n. d.

Viscosity / dynamic: 2500 - 4000 mPa·s

Viscosity / kinematic: n. d.

Relative vapour density: n. d.

Evaporation rate: n. d.

Solvent separation test: n. d.

Solvent content: &lt; 5 %

**9.2. Other information**

No data available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reactions with acids and strong oxidising agents.

**10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.

**10.5. Incompatible materials**

Strong acids and oxidizing agents

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

Fire may produce:

Chlorine compounds, Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Harmful if swallowed.

No toxicological data available.

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye irritation.

**Sensitising effects**

May cause an allergic skin reaction. (Xylylenediamine)

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



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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**

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

#### **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.

#### **11.2. Information on other hazards**

##### **Endocrine disrupting properties**

No data available

##### **Other information**

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

Contact with eyes, skin or oral tissues may cause irritation.

Components of the product may be absorbed into the body through the skin.

### **SECTION 12: Ecological information**

#### **12.1. Toxicity**

Ecological data are not available.

Toxic to aquatic life with long lasting effects.

Diethylmethylenediamine

LC50/Leuciscus idus/96 h > 100 mg/l

ErC50/Pseudomas putita > 100 mg/l

EC50/Daphnia magna/48 h = 0,1 - 1 mg/l

Xylylenediamine

LC50/Oncorhynchus mykiss/96 h > 100 mg/l

EC50/Daphnia magna/48 h = 16 mg/l

EC50/Green algae/72 h = 12 mg/l

#### **12.2. Persistence and degradability**

Not readily biodegradable.

#### **12.3. Bioaccumulative potential**

No data available

#### **12.4. Mobility in soil**

No data available

#### **12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### **12.6. 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.

#### **12.7. Other adverse effects**

Hazard to waters.

#### **Further information**

Do not flush into surface water or sanitary sewer system.

### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

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#### Disposal recommendations

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

#### List of Wastes Code - 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 hazardous substances; hazardous waste

#### Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.  
Contaminated packagings are to be treated like the product itself.  
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

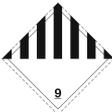
### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** UN 3082  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethylmethylbenzenediamine)  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
Hazard label: 9  


Classification code: M6  
Special Provisions: 274 335 375 601  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E1  
Transport category: 3  
Hazard No: 90  
Tunnel restriction code: -

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 3082  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethylmethylbenzenediamine)  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
Hazard label: 9  


Classification code: M6  
Special Provisions: 274 335 375 601  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E1

#### Marine transport (IMDG)

**14.1. UN number:** UN 3082

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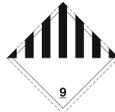
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**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Diethylmethylbenzenediamine)

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9



Special Provisions: 274, 335, 969

Limited quantity: 5 L / 30 kg

Excepted quantity: E1

EmS: F-A, S-F

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

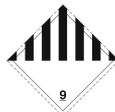
**14.1. UN number:** UN 3082

**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Diethylmethylbenzenediamine)

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9



Special Provisions: A97 A158 A197 A215

Limited quantity Passenger: 30 kg G

Passenger LQ: Y964

Excepted quantity: E1

IATA-packing instructions - Passenger: 964

IATA-max. quantity - Passenger: 450 L

IATA-packing instructions - Cargo: 964

IATA-max. quantity - Cargo: 450 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



#### 14.6. Special precautions for user

Take the usual precautions when handling with chemicals.

#### 14.7. Maritime transport in bulk according to IMO instruments

The transport takes place only in approved and appropriate packaging.

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

2004/42/EC (VOC): 0 %

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Information according to 2012/18/EU  
(SEVESO III):

E2 Hazardous to the Aquatic Environment

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

2 - obviously hazardous to water

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 1,2,6,7,8,9,10,11,12,13,14,15.

**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

**Relevant H and EUH statements (number and full text)**

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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H412 Harmful to aquatic life with long lasting effects.  
EUH071 Corrosive to the respiratory tract.

**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)"

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