

TIP TOP REMA WEAR REPAIR COMPOUND A



Safety Data Sheet

according to the WHS Regulations
Issue date: 25/01/2023 Version: 1.0
SDS No: 00156-0513

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Product name : TIP TOP REMA WEAR REPAIR COMPOUND A
Product code : 525 1400

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Repair Material

1.4. Details of manufacturer or importer

Manufacturer

REMA TIP TOP AG
65 Gruber Strasse
Poing 85586
Germany
T +49 (0) 8121 / 707 - 100
info@tip-top.de

Importer

REMA TIP TOP Australia Pty Ltd.
3/20 Worth Street
Chullora NSW 2190
Australia
T +61 2 8755 8400
www.rema-tiptop.com.au

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

1.5. Emergency phone number

Emergency number : +61-280735031, Infotrac/GBK GmbH-ID: 93591

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Exclamation mark Environment

Signal word (GHS AU) :

Warning

Contains :

Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) ($\geq 20 - < 30$ %); oxirane, mono[(C12-14-alkyloxy)methyl] derivs. ($\geq 1 - < 5$ %)

Hazard statements (GHS AU) :

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS AU) :

P261 - Avoid breathing vapours.
P264 - Wash hands, forearms and face thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.

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P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 - If skin irritation or rash occurs: Get medical attention.
P337+P313 - If eye irritation persists: Get medical attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P501 - Dispose of contents and container to a hazardous or special waste collection point.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Comments : Mixture of the substances listed below with nonhazardous additives.

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight \leq 700)	25085-99-8	$\geq 20 - < 30$	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Titanium dioxide	13463-67-7	$\geq 1 - < 5$	Carc. 2, H351
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	$\geq 1 - < 5$	Skin Irrit. 2, H315 Skin Sens. 1, H317
Specific concentration limits:			
Name	Product identifier	Specific concentration limits (%)	
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight \leq 700)	CAS-No.: 25085-99-8	(5 \leq C < 100) Skin Irrit. 2, H315 (5 \leq C < 100) Eye Irrit. 2, H319	

Comments : Note 10 : The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter \leq 10 μ m.

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Take off immediately all contaminated clothing. In the event of persistent symptoms receive medical treatment.

First-aid measures 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.

First-aid measures after skin contact : Wash off immediately with soap and plenty of water. Get medical advice if skin irritation persists.

First-aid measures after eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist.

First-aid measures after ingestion : Give a slurry of activated charcoal in water to drink. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately. Do not induce vomiting without medical advice.

4.2. Symptoms caused by exposure

Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye irritation.

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4.3. Medical attention and special treatment

Treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Alcohol-resistant foam. Carbon dioxide.
Unsuitable extinguishing media : high volume water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Could burn but do not ignite readily.
Explosion hazard : Product is not explosive.
General measures : Avoid contact with skin, eyes and clothing. Ensure adequate air ventilation. Use personal protective clothing. Do not breathe vapour.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Phenoles.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code : * 3Z
Other information : Collect contaminated firefighting water separately, must not be discharged into the drains. 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

General measures : Avoid contact with skin, eyes and clothing. Ensure adequate air ventilation. Use personal protective clothing. Do not breathe vapour.

6.1.1. For non-emergency personnel

Emergency procedures : In case of vapour formation use adequate respirator. Wear personal protective equipment.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

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

6.3. Methods and materials for containment and cleaning up

For containment : Dike and contain spill.
Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Shovel or sweep up and put in a closed container for disposal. Clean contaminated surface thoroughly.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Use only outdoors or in a well-ventilated area. Keep container tightly closed.
Hygiene measures : Do not inhale vapour. Always wash hands after handling the product. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

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7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of direct sunlight. Keep container tightly closed in a dry, cool and well-ventilated place.
- Incompatible materials : oxidizing materials. Amines. Acids. Bases.
- Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

Titanium dioxide (13463-67-7)	
Australia - Occupational Exposure Limits	
Local name	Titanium dioxide
OES TWA	10 mg/m ³
Remark (AU)	(a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Regulatory reference	Workplace exposure standards for airborne contaminants (2022)

8.2. Biological Monitoring

- Monitoring methods : A specific exposure sampling method is not available.

8.3. Engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

- Hand protection : Chemical protective gloves made of nitrile, nitrile/cotton, butyl or neoprene, with a minimum thickness of 0.7 mm, permeation time of approx. 480 minutes. 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 : Eyewash bottle with clean water (EN 15154)

Type	Field of application	Characteristics	Standard
Protective goggles (EN 166)	Liquid splashes may occur		EN 166

- Skin and body protection :

Type	Standard
Long sleeved protective clothing	EN ISO 6530

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Respiratory protective device with a gas filter	Type A - High-boiling (>65 °C) organic compounds	In case of inadequate ventilation wear	EN 14387

- Environmental exposure controls : Avoid release to the environment.

- Other information : Do not inhale vapour. Wash hands before breaks and at the end of workday. Wash hands immediately after handling the product. Do not eat, drink or smoke during use. Remove and wash contaminated clothing before re-use.

SECTION 9: Physical and chemical properties

- Physical state : Liquid
- Appearance : Pasty.
- Colour : Grey

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Odour	: characteristic
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: No data available
Boiling point	: > 300
Flash point	: > 140 °C
Auto-ignition temperature	: No data available
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: Density: 2.03 g/cm ³ @ 20 °C
Solubility	: Water: Not miscible
Log Pow	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Not oxidising
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: 0 %
Fat solubility	: No data available

SECTION 10: Stability and reactivity

Reactivity	: No decomposition if stored normally.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Reactions with acids, alkalis and oxidizing agents. Amines.
Conditions to avoid	: To avoid thermal decomposition, do not overheat. Keep out of direct sunlight. Polymerisation occurs when exposed to heat.
Incompatible materials	: Oxidizing agent. acids and bases. Amines.
Hazardous decomposition products	: No hazardous decomposition products known. Thermal decomposition generates : Carbon oxides (CO, CO ₂). Phenol.

SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met).
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met).
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

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LD50 oral rat	10000 mg/kg calculated
LD50 dermal rabbit	> 11000 mg/kg calculated
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25085-99-8)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 420 method)

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

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SECTION 12: Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.
Other information : Do not flush into surface water or sewer system.

Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25085-99-8)

EC50 Daphnia 1	≈ 2 mg/l Daphnia magna (Water flea)
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12.2. Persistence and degradability

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Persistence and degradability	No data available
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No data available.
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12.4. Mobility in soil

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Ecology - soil	No data available.
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12.5. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)
Other adverse effects : Significantly hazardous to water.

SECTION 13: Disposal considerations

Waste treatment methods : Recycling is preferred to disposal or incineration. Can be incinerated according to local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Empty containers should be taken for local recycling, recovery or waste disposal. Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information




In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
14.1. UN number		
3082	3082	3082
14.2. UN Proper Shipping Name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)	Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)
14.3. Transport hazard class(es)		
9	9	9

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ADG	IMDG	IATA
		
14.4. Packing group		
III - Substances presenting low danger	III	III
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. (ADG) : 3082
Special provision (ADG) : 274, 331, 335, 375, AU01
Limited quantities (ADG) : 5I
Excepted quantities (ADG) : E1
Packing instructions (ADG) : P001, IBC03, LP01
Special packing provisions (ADG) : PP1
Portable tank and bulk container instructions (ADG) : T4
Portable tank and bulk container special provisions (ADG) : TP1, TP29

Transport by sea

UN-No. (IMDG) : 3082
Special provisions (IMDG) : 274, 335, 969
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP01, P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP29
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG) : A

Air transport

UN-No. (IATA) : 3082
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197, A215
ERG code (IATA) : 9L

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14.8. Hazchem or Emergency Action Code

Hazchem Code : * 3Z

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Labelling requirements for SUSMP do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing use. However, this product is labelled in accordance with the Safe Work Australia "Code of Practice" for workplace substances.

15.2. International agreements

No additional information available

SECTION 16: Other information

Classification	
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
Aquatic Chronic 2	H411

Full text of H-statements	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H351	Suspected of causing cancer
H411	Toxic to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.