

TIP TOP REMAFIX H COMP. A

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Issue date: 21/07/2009 Revision date: 18/09/2026 Supersedes: 04/04/2023 Version: 1.4

SDS No: 00359-1013



SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Product name : TIP TOP REMAFIX H COMP. A
Product code : 525 0556, 525 0563

1.2. Other means of identification

No additional information available.

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Two component repair kit

1.4. Details of manufacturer or importer

Manufacturer

TIP TOP Oberflächenschutz Elbe GmbH
4 Heuweg
Wittenberg 06886
T +49(0)3491/635-50 - F +49(0)3491/635-552

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 :

Formaldehyde, oligomeric reaction product with 1-chloro-2,3-epoxypropane and phenol (< 55 %); bis-[4-(2,3-epoxipropoxy)phenyl]propane (< 20 %)

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, mist.
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 advice, medical attention.
P337+P313 - If eye irritation persists: Get medical advice, medical attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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)
Formaldehyde, oligomeric reaction product with 1-chloro-2,3-epoxypropane and phenol	9003-36-5	< 55	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Carbon	7440-44-0	< 35	Not classified
bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	< 20	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Other substances (not contributing to the classification of this product)	-	Up to 100%	-

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
bis-[4-(2,3-epoxipropoxy)phenyl]propane	CAS-No.: 1675-54-3	(5 ≤ C ≤ 100) Skin Irrit. 2; H315 (5 ≤ C ≤ 100) Eye Irrit. 2; H319

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 : Consult an eye specialist. Wash immediately with plenty water (during 20 minutes), also under eyelids.

First-aid measures after ingestion : Rinse mouth out with water. 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.

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

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 : In case of vapour formation use adequate respirator. Ensure adequate air ventilation. Use personal protective clothing.
Hazardous decomposition products in case of fire : Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

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 : 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 : In case of vapour formation use adequate respirator. Ensure adequate air ventilation. Use personal protective clothing.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapours.

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

Avoid release to the environment. Do not allow to enter drains or water courses.

6.3. Methods and materials for containment and cleaning up

For containment : Collect spillage.
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 : Keep container tightly closed. Avoid contact with skin, eyes and clothing. Ensure good ventilation of the work station.

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Hygiene measures : Do not inhale vapour. Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Keep out of direct sunlight.
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

Carbon (7440-44-0)	
Australia - Occupational Exposure Limits	
OES TWA	4 mg/m ³
Remark (AU)	(respirable dust)

8.2. Monitoring methods

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 : 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. Pls. find examples in the protective gloves database under: <http://bestglove.com/site/chemrest/>

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	≥ 0.7		EN ISO 374
Chemically resistant protective gloves	Butyl rubber	6 (> 480 minutes)	≥ 0.7		EN ISO 374
Chemically resistant protective gloves	Neoprene	6 (> 480 minutes)	≥ 0.7		EN ISO 374

Eye protection : Eyewash bottle with clean water (EN 15154)

Type	Field of application	Characteristics	Standard
Protective goggles (EN 166)	Liquid splashes may occur		EN ISO 16321

Type	Standard
Long sleeved protective clothing	EN ISO 6530

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. Avoid contact with skin, eyes and clothing. Take off contaminated clothing and wash it before reuse.

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SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: Pasty.
Colour	: Black
Odour	: Slight of epoxy
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	: No data available.
Flash point	: > 252 °C
Auto-ignition temperature	: > 300 °C
Flammability	: No data available.
Vapour pressure	: No data available.
Relative density	: No data available.
Density	: Density: 1.26 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 and applied as directed.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Reactions with acids, alkalies and oxidizing agents. Reactions with amines.
Conditions to avoid	: To avoid thermal decomposition, do not overheat. Keep out of direct sunlight. Polymerisation occurs when exposed to heat.
Incompatible materials	: Strong oxidizing agent. Amines. acids and bases.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates : Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

SECTION 11: Toxicological information

Acute toxicity (oral)	: No data available. (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: No data available. (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: No data available. (Based on available data, the classification criteria are not met)

Formaldehyde, oligomeric reaction product with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Carbon (7440-44-0)

LD50 oral rat	> 10000 mg/kg
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bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3)

LD50 oral rat	> 2000 mg/kg bodyweight rat, female, (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg bodyweight rat, (OECD 402 method)

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.

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Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: No data available. (Based on available data, the classification criteria are not met)
Carcinogenicity	: No data available. (Based on available data, the classification criteria are not met)
Reproductive toxicity	: No data available. (Based on available data, the classification criteria are not met)
STOT-single exposure	: No data available. (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: No data available. (Based on available data, the classification criteria are not met)
Aspiration hazard	: No data available. (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	: No data available. (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.

Formaldehyde, oligomeric reaction product with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)

LC50 fish 1	2.54 mg/l
LC50 - Fish [2]	5.7 mg/l <i>Leuciscus idus</i> (golden orfe)
EC50 Daphnia 1	3.5 mg/l <i>Daphnia magna</i> (Water flea)
ErC50 algae	> 1000 mg/l
NOEC (chronic)	0.3 mg/l (<i>Daphnia magna</i> (Water flea), 21 d)
LD50 dermal rat	> 2000 mg/kg
LD50 oral rat	> 2000 mg/kg

Carbon (7440-44-0)

LD50 oral rat	> 10000 mg/kg
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bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3)

LC50 fish 1	1.2 mg/l <i>Oncorhynchus mykiss</i> (Rainbow trout)
LD50 dermal rat	> 2000 mg/kg bodyweight rat, (OECD 402 method)
LD50 oral rat	> 2000 mg/kg bodyweight rat, female, (OECD 401 method)

12.2. Persistence and degradability

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Persistence and degradability	Not readily biodegradable
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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	: No data available. (Based on available data, the classification criteria are not met)
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Other adverse effects : No additional information available.

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 : 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.

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
		
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

Other information

No supplementary information available.

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

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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, 375, 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

14.8. Hazchem or Emergency Action Code

Hazchem Code : * 3Z

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS : All the chemicals contained in this product are listed introductions Inventory) status

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

Not applicable.

Australian Pesticides and Veterinary Medicines Authority (APVMA)

Not applicable.

15.2. International agreements

No additional information available.

SECTION 16: Other information

Revision date : 18/09/2026

Classification	
Skin Irrit. 2	H315
Eye Irrit. 2A	H319

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Classification	
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
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
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.