

REMAFIX 111 COMP. A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Issue date: Revision date: 21/01/2019 Version: 1.2

SDS No: 00359-1276



SECTION 1: Product identifier

1.1. Product identifier

Product form : Mixture
Product name : REMAFIX 111 COMP. A
Product code : 525 1210, 525 1211, 525 1230

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Leveling compound

1.4. Supplier's details

Supplier

TIP TOP Oberflächenschutz Elbe GmbH
4 Heuweg
6886 Wittenberg - Germany
T +49(0)3491/635-50 - F +49(0)3491/635-552

Importer

REMA TIP TOP Australia Pty Ltd.
3 - 7 Ironbark Close
Warabrook NSW 2304 - Australia
T +61-2-4935-0200
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: Hazards 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. Label elements

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) (< 35 %); Formaldehyde, oligomeric reaction product with 1-chloro-2,3-epoxypropane and phenol (< 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) :

P260 - Do not breathe 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.
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/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing.
P363 - Wash contaminated clothing before reuse
P391 - Collect spillage
P501 - Dispose of contents/container to in accordance with local and national regulations.

REMAFIX 111 COMP. A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00359-1276



2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Comments : Mixture of the substances listed below with harmless 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)	25068-38-6	< 35	Eye Irrit. 2A, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Quartz	14808-60-7	\geq 10 – < 15	Not classified
iron(III) oxide	1309-37-1	\geq 5 – < 10	Not classified
Formaldehyde, oligomeric reaction product with 1-chloro-2,3-epoxypropane and phenol	9003-36-5	< 5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Fumes, silica	69012-64-2	\geq 3 – < 5	Not classified
Aluminium oxide	1344-28-1	\geq 3 – < 5	Not classified
2-methoxy-1-methylethyl acetate	108-65-6	< 5	Flam. Liq. 3, H226 STOT SE 3, H336

SECTION 4: First aid measures

4.1. Description of 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	: Remove person to fresh air and keep comfortable for breathing. 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. Rinse immediately with plenty of water, also under the eyelids.
First-aid measures after ingestion	: Do not induce vomiting. Drink plenty of water or milk. 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.

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

Treatment	: Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: high volume water jet.

5.2. Special hazards arising from the substance or mixture

General measures	: In case of vapour formation use adequate respirator. Ensure adequate air ventilation. Concerning personal protective equipment to use, see section 8.
Hazardous decomposition products in case of fire	: Carbon monoxide. Carbon dioxide. Phenoles.

5.3. Special protective equipment and precautions for fire-fighters

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	: Cool containers / tanks with spray water if possible. 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. Concerning personal protective equipment to use, see section 8.
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REMAFIX 111 COMP. A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00359-1276



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

Clean contaminated surface thoroughly. Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material 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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep container tightly closed. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing vapours.

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 in a dry, cool and well-ventilated place. Keep out of direct sunlight.

Incompatible materials : oxidizing materials. Amines. Acids. Bases.

Storage temperature : 3 – 48 °C

Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

Quartz (14808-60-7)	
Australia - Occupational Exposure Limits	
Local name	Quartz [Silica – Crystalline]
OES TWA [1]	0.05 mg/m ³ respirable dust
Remark (AU)	Carcinogenicity Category 1A – Known to have carcinogenic potential for humans. The classification of a chemical into this category is based largely on human evidence from studies that have established a causal relationship between human exposure and the development of cancer.
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)
iron(III) oxide (1309-37-1)	
Australia - Occupational Exposure Limits	
Local name	Iron oxide (Fe ₂ O ₃)
OES TWA [1]	5 mg/m ³ fume (as Fe)
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)
Silicon carbide (409-21-2)	
Australia - Occupational Exposure Limits	
Local name	Silicon carbide
OES TWA [1]	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 (2019)
Aluminium oxide (1344-28-1)	
Australia - Occupational Exposure Limits	
Local name	Aluminium oxide (alpha-Alumina (Al ₂ O ₃))
OES TWA [1]	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 (2019)
2-methoxy-1-methylethyl acetate (108-65-6)	
Australia - Occupational Exposure Limits	
Local name	1-Methoxy-2-propanol acetate

REMAFIX 111 COMP. A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00359-1276



2-methoxy-1-methylethyl acetate (108-65-6)	
OES TWA [1]	274 mg/m ³
OES TWA [2]	50 ppm
OES STEL	548 mg/m ³
OES STEL [ppm]	100 ppm
Remark (AU)	Sk - Absorption through the skin may be a significant source of exposure.
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

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

8.4. Personal protective equipment

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, Nitrile/cotton, Butyl rubber, Neoprene	6 (> 480 minutes)	0,7		

Eye protection : Tightly fitting goggles (EN 166). Eyewash bottle with clean water (EN 15154)

Skin and body protection : Long sleeved protective clothing. EN ISO 6530

Respiratory protection : No personal breathing protective equipment is normally required. In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Respiratory protective device with a gas filter	Type A		EN 14387

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: Pasty.
Colour	: Grey
Odour	: characteristic
Odour threshold	: No data available
pH	: 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	: > 100 °C
Auto-ignition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: Density : 1.95 g/cm ³ @ 20 °C
Solubility	: Water: Not miscible
Log Pow	: No data available
Viscosity, dynamic	: Pasty
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing
Explosive limits	: No data available

REMAFIX 111 COMP. A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00359-1276



Lower explosive limit (LEL)	: Not determined
Minimum ignition energy	: No data available
VOC content	: < 5 % VOC Directive 2004/42/EC - Decorative paints and varnishes
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	: Reacts with: Acids. Oxidizer. alkalis. Amines.
Conditions to avoid	: To avoid thermal decomposition, do not overheat. Keep out of direct sunlight.
Incompatible materials	: Strong oxidizing agent. Amines. acids and bases.
Hazardous decomposition products	: Carbon monoxide. Carbon dioxide. Phenoles.

SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight \leq 700) (25068-38-6)

LD50 oral rat	11400 mg/kg
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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

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction. Contains epoxy constituents. May produce an allergic reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
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
ErC50 algae	> 1000 mg/l

12.2. Persistence and degradability

REMAFIX 111 COMP. A

Persistence and degradability	Not readily biodegradable.
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REMAFIX 111 COMP. A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00359-1276



12.3. Bioaccumulative potential

REMAFIX 111 COMP. A	
Bioaccumulative potential	No data available.

12.4. Mobility in soil

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Ecology - soil	No data available.

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : Significantly hazardous to water.

REMAFIX 111 COMP. A	
Fluorinated greenhouse gases	False

Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight \leq 700) (25068-38-6)	
Fluorinated greenhouse gases	False

Quartz (14808-60-7)	
Fluorinated greenhouse gases	False

iron(III) oxide (1309-37-1)	
Fluorinated greenhouse gases	False

Aluminium oxide (1344-28-1)	
Fluorinated greenhouse gases	False

Fumes, silica (69012-64-2)	
Fluorinated greenhouse gases	False

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

2-methoxy-1-methylethyl acetate (108-65-6)	
Fluorinated greenhouse gases	False

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

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

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

REMAFIX 111 COMP. A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00359-1276



Transport by road and rail

UN-No. (ADG)	: 3082
Special provision (ADG)	: 179, 274, 331, 335, 375, AU01
Limited quantities (ADG)	: 5l
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
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/legislation specific for the substance or mixture

National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

Australian Inventory of Chemical Substances (AICS) status : All the chemicals contained in this product are listed on the AICS (AICS) status

15.2. International agreements

No additional information available

SECTION 16: Other information

Revision date : 21/01/2019

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
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A

REMAFIX 111 COMP. A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00359-1276



Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness
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 not therefore be construed as guaranteeing any specific property of the product.