

TIP TOP CEMENT INNERLINER SEALER

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Issue date:21/07/2015 Revision date:02/07/2020 Supersedes:01/07/2020 Version: 1.7

SDS No: 00156-0074



SECTION 1: Identification : Product identifier and chemical identity

1.1. Product identifier

Product name : TIP TOP CEMENT INNERLINER SEALER
Product code : 511 1190, 514 3240, 514 3250, 514 9301, 514 9302, 515 9004, 515 9005, 515 9011, 515 9012, 515 9027, 515 9028, 515 9029, 515 9035, 515 9042, 515 9058, 515 9059, 599 2200

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Adhesives

1.4. Supplier's details

Supplier

REMA TIP TOP AG
65 Gruber Strasse
85586 Poing - Germany
T +49 (0) 8121 / 707 - 100

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)

Flammable liquids, Category 2 H225
Skin corrosion/irritation, Category 2 H315
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

2.2. Label elements

Hazard pictograms (GHS AU) :



Flame

Exclamation mark

Environment

Signal word (GHS AU) : Danger

Contains : Naphtha (petroleum), hydrotreated light ($\geq 30 - < 50$ %); Other substances (not contributing to the classification of this product) (30-40 %); Naphtha (petroleum),Hydrocarbons, C6, isoalkanes <5% n-hexane ($\geq 10 - < 20$ %)

Hazard statements (GHS AU) : H225 - Highly flammable liquid and vapour
H315 - Causes skin irritation.
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS AU) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTER/doctor if you feel unwell.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362 - Take off contaminated clothing.
P391 - Collect spillage

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P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P352 - Wash with plenty of water/...
P235 - Keep cool.
P501 - Dispose of contents/container to in accordance with local and national regulations.

2.3. Other hazards

Other hazards not contributing to the classification : Vapours may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

Comments : Preparation solved in petroleum spirit.

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Naphtha (petroleum), hydrotreated light	64742-49-0	≥ 30 – < 50	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Other substances (not contributing to the classification of this product)		30-40	Not classified
Naphtha (petroleum),Hydrocarbons, C6, isoalkanes <5% n-hexane	64742-49-0	≥ 10 – < 20	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Zinc oxide	1314-13-2	< 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Remove immediately contaminated clothing. In the event of persistent symptoms receive medical treatment. Take affected person away from danger area.

First-aid measures after inhalation : Move to fresh air in case of accidental inhalation of vapours or decomposition products. Get medical advice/attention.

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

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 immediately.

First-aid measures after ingestion : Attention. Beware, danger of aspiration. Immediately call a POISON CENTER/doctor. Do not induce vomiting.

4.2. Symptoms caused by exposure

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after inhalation : Aspiration hazard.

Symptoms/effects after skin contact : May cause skin irritation.

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

Treatment : Treat symptomatically.

SECTION 5: Firefighting 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. Special hazards arising from the substance or mixture

General measures : In case of vapour formation use adequate respirator. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Evacuate the danger area.

Hazardous decomposition products in case of fire : In case of fire: Carbon monoxide. Carbon dioxide. Sulphur oxides.

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 : * 3Y

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Other information : Vapours are heavier than air and may spread along floors. The vapour/air mixture is explosive, even in empty, uncleaned receptacles. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Cool containers at risk with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : In case of vapour formation use adequate respirator. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Evacuate the danger area.

6.1.1. For non-emergency personnel

No additional information available

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 drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Shovel or sweep up and put in a closed container for disposal. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

SECTION 7: Handling and storage, including how the chemical may be safely used

7.1. Precautions for safe handling

Precautions for safe handling : Use explosion-proof equipment. Take precautionary measures against static discharge. Do not smoke. Keep away from heat and sources of ignition. Ensure good ventilation of the work station. Vapours are heavier than air and may spread along floors. Keep the container tightly closed.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Incompatible materials : oxidizing materials.

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

Zinc oxide (1314-13-2)	
Australia - Occupational Exposure Limits	
Local name	Zinc oxide
TWA (mg/m ³)	10 mg/m ³ dust 5 mg/m ³ fume
STEL (mg/m ³)	10 mg/m ³ fume
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)

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 : Protective gloves resistant to chemicals made of nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril Velours 730> 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

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Eye protection : Tightly fitting goggles (EN 166)
Skin and body protection : Solvent-resistant apron. EN 467
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		EN 14387

Environmental exposure controls : Avoid release to the environment.

Other information : Wash hands immediately after handling the product. Do not eat, drink or smoke in areas where product is used. Take off contaminated clothing and wash it before reuse. Do not inhale vapour.

SECTION 9: Physical and chemical properties

Physical state : Liquid
Appearance : No data available
Colour : Black
Odour : Hydrocarbon-like
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 : 60 – 95 °C
Flash point : < -24 °C DIN EN ISO 3679
Auto-ignition temperature : 413 °C
Flammability (solid, gas) : No data available
Vapour pressure : Vapour pressure : 150 hPa 20°C
Relative density : No data available
Density : Density : 0.83 g/cm³
Solubility : immiscible. at 20 °C.
Water: Not miscible
Log Pow : No data available
Viscosity, kinematic : > 20.5 mm²/s @ 40 °C
Viscosity, dynamic : 6000 mPa·s
Explosive properties : Product is not explosive. May form flammable/explosive vapour-air mixture.
Oxidising properties : Non oxidizing
Explosive limits : No data available
Minimum ignition energy : No data available
VOC content : < 70 %
Fat solubility : No data available
Viscosity : 454 s (6 DIN EN ISO 2431, 23 °C)
Solvent content : 60 - 70 %
Solvent separation test (%) : 0 %

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 oxidizing agents.
Conditions to avoid : Vapour/air-mixtures are explosive at intense warming. To avoid thermal decomposition, do not overheat. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials : Oxidizing agent.
Hazardous decomposition products : Carbon monoxide. Carbon dioxide. Sulphur oxides.

SECTION 11: Toxicological information

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

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Acute toxicity (inhalation) : Not classified

Zinc oxide (1314-13-2)	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402 method)
LC50 inhalation rat (mg/l)	> 5.7 mg/l/4h

Naphtha (petroleum), hydrotreated light (64742-49-0)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h

Naphtha (petroleum),Hydrocarbons, C6, isoalkanes <5% n-hexane (64742-49-0)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : May cause drowsiness or dizziness.
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Potential adverse human health effects and symptoms : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. High concentration of vapours may induce: headache, nausea, dizziness. Contact with the eyes is likely to be irritating

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.

Zinc oxide (1314-13-2)	
EC50 Daphnia 1	0.098 mg/l

Naphtha (petroleum), hydrotreated light (64742-49-0)	
LC50 fish 1	1 – 10 mg/l
EC50 Daphnia 1	1 – 10 mg/l

Naphtha (petroleum),Hydrocarbons, C6, isoalkanes <5% n-hexane (64742-49-0)	
LC50 fish 1	1 – 10 mg/l
EC50 Daphnia 1	1 – 10 mg/l

12.2. Persistence and degradability

Zinc oxide (1314-13-2)	
Not rapidly degradable	

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

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12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : Low hazard to waters.

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Fluorinated greenhouse gases	False
Zinc oxide (1314-13-2)	
Fluorinated greenhouse gases	False
Naphtha (petroleum), hydrotreated light (64742-49-0)	
Fluorinated greenhouse gases	False
Naphtha (petroleum),Hydrocarbons, C6, isoalkanes <5% n-hexane (64742-49-0)	
Fluorinated greenhouse gases	False
Other substances (not contributing to the classification of this product)	
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 : Packaging that cannot be cleaned should be disposed of like the product. 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.

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

ADG	IMDG	IATA
14.1. UN number 1133	1133	1133
14.2. UN proper shipping name ADHESIVES	ADHESIVES	Adhesives
14.3. Transport hazard class(es) 3	3	3
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 : (Packing group III, if content of packaging <= 30l, according 3.3.3.1.1 IATA). (Packing group III, if content of packaging <= 450l, according 2.3.2.2 IMDG)

Transport by road and rail

UN-No. (ADG) : 1133
Special provision (ADG) : 223
Limited quantities (ADG) : 5l
Packing instructions (ADG) : P001, IBC03, LP01
Special packing provisions (ADG) : PP1
Portable tank and bulk container instructions (ADG) : T2
Portable tank and bulk container special provisions (ADG) : TP1

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Transport by sea

UN-No. (IMDG)	: 1133
Special provisions (IMDG)	: 223, 955
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Properties and observations (IMDG)	: Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.

Air transport

UN-No. (IATA)	: 1133
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

14.8. Hazchem or Emergency Action Code

Hazchem Code : * 3Y

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

15.2. International agreements

No additional information available

SECTION 16: Any other relevant information

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Abbreviations and acronyms : ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
DOT - Department of Transport
TDG - Transportation of Dangerous Goods
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GHS - Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
IARC - International Agency for Research on Cancer
vPvB - Very Persistent and Very Bioaccumulative
PBT - Persistent Bioaccumulative Toxic
PNEC - Predicted No-Effect Concentration
CAS - CAS (Chemical Abstracts Service) number
IBC-Code - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ATE - Acute Toxicity Estimate
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
BCF - Bioconcentration factor
MARPOL 73/78 - MARPOL 73/78: International Convention for the Prevention of Pollution From Ships
ADG - Transport of Australian Dangerous Goods

Revision date : 02/07/2020

Other information : Data of sections 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.

Classification:

Flam. Liq. 2	H225
Skin Irrit. 2	H315
STOT SE 3	H336
Aquatic Chronic 2	H411

Full text of H-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness
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.

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.