Safety Data Sheet

according to the WHS Regulations Issue date:21/07/2015 Revision date:02/02/2023 Supersedes:02/07/2020 Version: 3.0 SDS No: 00156-0074



SECTION 1: Product identifier	
1.1. GHS Product identifier	
Product name Product code	 TIP TOP CEMENT INNERLINER SEALER 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 chemic	cal and restrictions on use
Recommended use	: Adhesives
1.4. Details of manufacturer or import	ter
Manufacturer REMA TIP TOP AG 65 Gruber Strasse Poing 85586 Germany T +49 (0) 8121 / 707 - 100 info@tiptop.de E-mail address of competent person respons	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 ible 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 c	hemical

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. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU)	
	Flame Exclamation Environment
	mark
Signal word (GHS AU)	: Danger
Contains	 Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 3% normal hexane (≥ 30 – < 50 %); Hydrocarbons, C6, iso, < 3% normal hexane (≥ 10 – < 20 %); Other substances (not contributing to the classification of this product) (30-40 %)
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 non-sparking tools. P243 - Take action to prevent static discharges.

Safety Data Sheet

according to the WHS Regulations SDS No: 00156-0074

id breathing dust/fume/gas/mist/vapours/spray.
sh hands thoroughly after handling.
only outdoors or in a well-ventilated area.
id release to the environment.
ar protective gloves/protective clothing/eye protection/face protection/hearing
I+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
with water.
) - IF INHALED: Remove person to fresh air and keep comfortable for breathing
a POISON CENTER, a doctor if you feel unwell.
3 - If skin irritation occurs: Get medical attention.
e off contaminated clothing.
ect spillage.
3 - Store in a well-ventilated place. Keep container tightly closed.
p cool.
bose of contents and container to hazardous or special waste collection point, in a with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

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

SECTION 3: Composition and information on ingredients

Comments : Preparation solved in petroleum spirit.			
Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 3% normal hexane	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
Hydrocarbons, C6, iso, < 3% normal 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
Carbon black	1333-86-4	≥ 10 – < 15	Not classified
Zinc oxide	1314-13-2	< 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Specific concentration limits:	1	1	1

SECTION 4: First aid measures

4.1. Description of necessary first-aid	a 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.

Safety Data Sheet

according to the WHS Regulations

SDS No: 00156-0074	
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 after inhalation Symptoms/effects after skin contact Symptoms/effects after ingestion	 May cause drowsiness or dizziness. Causes skin irritation. Aspiration hazard.
4.3. Medical attention and special treatme	nt
Treatment	: Treat symptomatically.

SECTION 5: Fire-fighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	Water spray. Dry powder. Alcohol resistant foam. Carbon dioxide.high volume water jet.
5.2. Specific hazards arising from the chen	nical
Fire hazard Explosion hazard General measures	 Highly flammable liquid and vapour. Product is not explosive. Explosive vapour/air mixtures may be formed. 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: dangerous decomposition products are formed. Carbon oxides (CO, CO2). Sulphur oxides.
5.3. Special protective equipment and prec	autions for fire-fighters
Firefighting instructions Protection during firefighting	 Fight fire from safe distance and protected location. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code Other information	 * 3Y 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.

6.1. Personal precautions, protective equip	ment 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.

SECTION 6: Accidental release measures

6.3. Methods and materials for containment and cleaning up		
For containment Methods for cleaning up	 Dam up the liquid spill. 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). 	

Safety Data Sheet

according to the WHS Regulations SDS No: 00156-0074

SECTION 7: Handling and storage 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. : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Storage conditions oxidizing materials. Incompatible materials : Information on mixed storage : Keep away from oxidizing agents. Keep away from food, drink and animal feeding stuffs.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

Zinc oxide (1314-13-2)					
Australia - Occupational	Exposure Limits				
Local name		Zinc oxide	Zinc oxide		
OES TWA		10 mg/m ³ dust 5 mg/m ³ fume	•		
OES STEL		10 mg/m ³ fume			
Remark (AU)		Dust: (a) This value is t silica.	Dust: (a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.		
Regulatory reference		Workplace exposure st	andards for airborne cor	ntaminants (2022)	
Carbon black (1333-86	-4)				
Australia - Occupational	Exposure Limits				
Local name		Carbon black			
OES TWA		3 mg/m ³			
Regulatory reference		Workplace exposure standards for airborne contaminants (2022)			
8.2. Biological Monitor	ing				
Aonitoring methods : A specific exposure sampling method is not available.					
8.3. Engineering control	ols				
Appropriate engineering controls : Ensure good ventilation of the work station.					
8.4. Individual protection	on measures, such as p	personal protective e	equipment (PPE)		
Hand protection	:	This recommendation re conforming to EN 374 c of the use. Therefore it the manufacturer of pro	arried out under lab cond s necessary to adhere a	ditions. Requirements ca	an vary as a function
Туре	Material	Permeation Thickness (mm) Penetration Standard			
Chemically resistant protective gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,4		EN ISO 374

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Safety Data Sheet

according to the WHS Regulations SDS No: 00156-0074

Туре	Field of application	Characteristics	Standard		
Protective goggles (EN 166)	Liquid splashes may occur		EN 166		
Skin and body protection	:				
Туре	Standard	Standard			
Chemical resistant apron	EN 467	EN 467			
Respiratory protection	:				
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 Other information	 Avoid release to the environment Wash hands immediately after h where product is used. Take off inhale vapour. 	nandling the product. Do not			

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Black
Odour	: Hydrocarbon-like
Odour threshold	: No data available
рН	: 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	: 60 – 95 °C
Flash point	: < -24 °C DIN EN ISO 3679
Auto-ignition temperature	: 413 °C
Flammability	: No data available
Vapour pressure	: Vapour pressure: 150 hPa 20°C
Relative density	: No data available
Density	: Density: 0.83 g/cm ³
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 react	ivity
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.

Safety Data Sheet

according to the WHS Regulations SDS No: 00156-0074

Hazardous decomposition products	:	No hazardous decomposition products known. Thermal decomposition generates : Carbon oxides (CO, CO2). Sulphur oxides.
SECTION 11: Toxicological information	on	
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	:	Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met)
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		> 5.7 mg/l/4h
Hydrocarbons, C6-C7, n-alkanes, isoalka	nes,	cyclics, < 3% normal hexane (64742-49-0)
LD50 oral rat		> 2000 mg/kg
LD50 dermal rat		> 2000 mg/kg
LC50 Inhalation - Rat		> 20 mg/l/4h
Hydrocarbons, C6, iso, < 3% normal hexa	ane (64742-49-0)
LD50 oral rat		> 2000 mg/kg
LD50 dermal rat		> 2000 mg/kg
LC50 Inhalation - Rat		> 20 mg/l/4h
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure	: : :	Causes skin irritation. Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) May cause drowsiness or dizziness. Not classified (Based on available data, the classification criteria are not met)
Carbon black (1333-86-4)		
LOAEC (inhalation, rat, dust/mist/fume, 90 days)		0.0071 mg/l air Animal: rat, Animal sex: male
NOAEL (oral, rat, 90 days)		> 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)		0.0011 mg/l air Animal: rat, Animal sex: male
Aspiration hazard Potential adverse human health effects and symptoms		Not classified (Based on available data, the classification criteria are not met) 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

12.1. Ecotoxicity

Ecology - general Hazardous to the aquatic environment, short-term	Toxic to aquatic life with long lasting effects.Not classified (Based on available data, the classification criteria are not met)
(acute) 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.

Safety Data Sheet

according to the WHS Regulations SDS No: 00156-0074

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 3% normal hexane (64742-49-0)		
LC50 fish 1	1 – 10 mg/l	
EC50 Daphnia 1	1 – 10 mg/l	
Hydrocarbons, C6, iso, < 3% normal hexane (64742-49-0)		
LC50 fish 1	1 – 10 mg/l	
EC50 Daphnia 1	1 – 10 mg/l	
12.2. Persistence and degradability		
No additional information available		
12.3. Bioaccumulative potential		
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 3% normal hexane (64742-49-0)		
Bioaccumulative potential	Potentially bioaccumulable.	
12.4. Mobility in soil		
No additional information available		
12.5. Other adverse effects		
Ozone Other adverse effects	 Not classified (Based on available data, the classification criteria are not met) No additional information available 	
SECTION 13: Disposal consideration	S	
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	

Additional information

SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	ΙΑΤΑ	
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	

: Flammable vapours may accumulate in the container.

disposal.

Safety Data Sheet

according to the WHS Regulations SDS No: 00156-0074

ADG	IMDG	ΙΑΤΑ
14.4. Packing group		
III - Substances presenting low danger		
14.5. Environmental hazards		
		I.
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 Shock sensitivity	No data availableNo data available	
14.7. Additional information		
Other information	: (Packing group III, if content of packaging < III, if content of packaging <= 450I, accordin	= 30l, according 3.3.3.1.1 IATA). (Packing group ng 2.3.2.2 IMDG)
Transport by road and rail		
UN-No. (ADG) Special provision (ADG) Limited quantities (ADG) Packing instructions (ADG) Special packing provisions (ADG) Portable tank and bulk container instructions (ADG) Portable tank and bulk container special provisions (ADG)		
Transport by sea		
UN-No. (IMDG) Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG)	 1133 223, 955 5 L E1 P001, LP01 PP1 IBC03 T2 TP1 F-E - FIRE SCHEDULE Echo - NON-WATE S-D - SPILLAGE SCHEDULE Delta - FLAM A 	
Air transport		
UN-No. (IATA) PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Other applicable information	 1133 E1 Y344 10L 355 60L 366 220L A3 3L (Packing group III, if content of packaging ≤ (Packing group III, if content of packaging ≤ 	450l, according 2.3.2.2 IMDG)
14.8. Hazchem or Emergency Action Code		
Hazchem Code	: * 3Y	

Safety Data Sheet

according to the WHS Regulations SDS No: 00156-0074

SECTION 15: Regulatory information

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

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)

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 Revision date : 2/02/2023

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.

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	
ΙΑΤΑ	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	
РВТ	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	

Safety Data Sheet

according to the WHS Regulations SDS No: 00156-0074

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 therefore not be construed as guaranteeing any specific property of the product.