

TIP TOP CEMENT FD-BL

Safety Data Sheet

according to the WHS Regulations
Issue date:15/05/2006 Revision date:11/01/2023 Supersedes:29/03/2021 Version: 3.0
SDS No: 00156-0313



SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Product name : TIP TOP CEMENT FD-BL
Product code : 509 1957, 509 2152, 509 2200, 509 3041, 509 3096, 509 3209, 511 1190, 511 1957, 511 2152, 511 2200, 511 3041, 511 3042, 511 3096, 511 3209, 514 1592, 515 9370, 515 9371, 515 9410, 515 9560, 515 9570, 515 9571, 517 3822, 599 2200, 559 9050

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. Details of manufacturer or importer

Supplier

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

Flammable liquids, Category 2	H225
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Skin sensitisation, Category 1	H317
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 1	H410

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Flame

Exclamation
mark

Environment

Signal word (GHS AU) :

Danger

Contains :

heptane; n-heptane ($\geq 70 - < 85$ %); Acetone ($\geq 10 - < 25$ %); zinc bis(dibutylthiocarbamate) ($\geq 1 - < 5$ %)

Hazard statements (GHS AU) :

H225 - Highly flammable liquid and vapour
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction

TIP TOP CEMENT FD-BL

Safety Data Sheet

according to the WHS Regulations
SDS No: 00156-0313

Precautionary statements (GHS AU)

H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H410 - Very toxic to aquatic life with long lasting effects

: P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P261 - Avoid breathing vapours.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P235 - Keep cool.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER, a doctor if you feel unwell.
P332+P313 - If skin irritation occurs: Get medical attention.
P337+P313 - If eye irritation persists: Get medical attention.
P362 - Take off contaminated clothing.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents and container to an approved waste disposal plant.

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 in organic solvents.

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
heptane; n-heptane	142-82-5	≥ 70 – < 85	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Acetone	67-64-1	≥ 10 – < 25	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
zinc bis(dibutyldithiocarbamate)	136-23-2	≥ 1 – < 5	Eye Irrit. 2A, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

TIP TOP CEMENT FD-BL

Safety Data Sheet

according to the WHS Regulations
SDS No: 00156-0313

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Take off immediately all contaminated clothing. Move the affected person away from the contaminated area. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Move to fresh air in case of accidental inhalation of vapours or decomposition products. Call a physician immediately.
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	: Wash immediately with plenty water (during 20 minutes), also under eyelids. Consult an eye specialist.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.

4.3. Medical attention and special treatment

Treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Specific hazards arising from the chemical

Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: Product is not explosive. Explosive vapour/air mixtures may be formed.
General measures	: In case of vapour formation use adequate respirator. Explosion free apparatus have to be used. Ensure adequate air ventilation. Evacuate personnel to a safe area.
Hazardous decomposition products in case of fire	: Carbon monoxide. Carbon dioxide.

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	: * 3YE
Other information	: The vapour/air mixture is explosive, even in empty, uncleaned receptacles. Do not allow run-off from fire fighting to enter drains or water courses. 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. Explosion free apparatus have to be used. Ensure adequate air ventilation. Evacuate personnel to a safe area.
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapours. Avoid contact with skin and eyes.

TIP TOP CEMENT FD-BL

Safety Data Sheet

according to the WHS Regulations
SDS No: 00156-0313

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 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.

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. Avoid contact with skin, eyes and clothing. Provide sufficient air exchange and/or exhaust in work rooms. Vapours are heavier than air and may spread along floors. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Hygiene measures : Do not inhale vapour. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Apply emollient cream. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Pay attention to explosion protection guidelines. 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 food, drink and animal feeding stuffs.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

heptane; n-heptane (142-82-5)	
Australia - Occupational Exposure Limits	
Local name	Heptane (n-Heptane)
OES TWA [1]	1640 mg/m ³
OES TWA [2]	400 ppm
OES STEL	2050 mg/m ³
OES STEL [ppm]	500 ppm
Regulatory reference	Workplace exposure standards for airborne contaminants (2022)
Acetone (67-64-1)	
Australia - Occupational Exposure Limits	
Local name	Acetone
OES TWA [1]	1185 mg/m ³
OES TWA [2]	500 ppm
OES STEL	2375 mg/m ³

TIP TOP CEMENT FD-BL

Safety Data Sheet

according to the WHS Regulations
SDS No: 00156-0313

Acetone (67-64-1)	
OES STEL [ppm]	1000 ppm
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 : Splash 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

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Butyl rubber	1 (> 10 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 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 - High-boiling (>65 °C) organic compounds		EN 14387

Environmental exposure controls : Avoid release to the environment.

Other information : Do not eat, drink or smoke when using this product. Treat subsequently with skin cream. Do not inhale vapour. Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: Colourless milky
Odour	: Hydrocarbon-like
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	: > 56 °C
Flash point	: -22 °C DIN EN ISO 3679
Auto-ignition temperature	: 215 °C
Flammability (solid, gas)	: No data available
Vapour pressure	: Vapour pressure: 247 hPa @ 20 °C
Relative density	: No data available
Density	: Density: 0.72 g/cm ³ @ 20 °C
Solubility	: Partially soluble. at 20 °C. Water: partly miscible
Log Pow	: No data available
Viscosity, kinematic	: 514 – 524 mm ² /s (40 °C)
Viscosity, dynamic	: 5000 mPa.s

TIP TOP CEMENT FD-BL

Safety Data Sheet

according to the WHS Regulations
SDS No: 00156-0313

Explosive properties	: Product is not explosive. May form flammable/explosive vapour-air mixture.
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: < 95 %
Fat solubility	: No data available
Solvent separation test (%)	: 0 %
Flow time	: > 30 s 3 mmm (DIN/ISO 2431)

SECTION 10: Stability and reactivity

Reactivity	: No decomposition if stored normally.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Reactions with oxidizing agents.
Conditions to avoid	: To avoid thermal decomposition, do not overheat. Vapour/air-mixtures are explosive at intense warming. Heating can release vapours which can be ignited.
Incompatible materials	: Strong oxidizing agent.
Hazardous decomposition products	: Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

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

heptane; n-heptane (142-82-5)	
LD50 oral	5000 mg/kg
LD50 dermal	3000 mg/kg
ATE AU (dermal)	3000 mg/kg bodyweight
ATE AU (vapours)	103 mg/l/4h
ATE AU (dust,mist)	103 mg/l/4h

Acetone (67-64-1)	
LD50 oral	6667 mg/kg
LD50 dermal	20000 mg/kg
ATE AU (oral)	5800 mg/kg bodyweight
ATE AU (dermal)	20000 mg/kg bodyweight

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
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

heptane; n-heptane (142-82-5)	
STOT-single exposure	May cause drowsiness or dizziness.

Acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

zinc bis(dibutyldithiocarbamate) (136-23-2)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified.

TIP TOP CEMENT FD-BL

Safety Data Sheet

according to the WHS Regulations
SDS No: 00156-0313

heptane; n-heptane (142-82-5)	
Animal studies and expert judgment for classification	False
Acetone (67-64-1)	
Animal studies and expert judgment for classification	False
zinc bis(dibutyldithiocarbamate) (136-23-2)	
Animal studies and expert judgment for classification	False
Potential adverse human health effects and symptoms	: Irritation of mucous membranes. High concentration of vapours may induce: headache, nausea, dizziness. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product

SECTION 12: Ecological information

12.1. Ecotoxicity

Ecology - general	: Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.
Other information	: Do not flush into surface water or sewer system.

heptane; n-heptane (142-82-5)	
LC50 fish 1	375 mg/l 96 h fish
EC50 Daphnia 1	0.1 mg/l
Log Pow	4.66

12.2. Persistence and degradability

TIP TOP CEMENT FD-BL	
Persistence and degradability	No data available.
Acetone (67-64-1)	
Not rapidly degradable	

12.3. Bioaccumulative potential

TIP TOP CEMENT FD-BL	
Bioaccumulative potential	No data available.
heptane; n-heptane (142-82-5)	
Log Pow	4.66

12.4. Mobility in soil

TIP TOP CEMENT FD-BL	
Ecology - soil	No data available.
heptane; n-heptane (142-82-5)	
Log Pow	4.66

12.5. Other adverse effects

Ozone	: Not classified
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TIP TOP CEMENT FD-BL

Safety Data Sheet

according to the WHS Regulations
SDS No: 00156-0313

Other adverse effects : Significantly hazardous to water.

TIP TOP CEMENT FD-BL	
Fluorinated greenhouse gases	False
heptane; n-heptane (142-82-5)	
Fluorinated greenhouse gases	False
Acetone (67-64-1)	
Fluorinated greenhouse gases	False
zinc bis(dibutyldithiocarbamate) (136-23-2)	
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

14.1. UN number

UN-No. (ADG) : 1133
UN-No. (IMDG) : 1133
UN-No. (IATA) : 1133

14.2. UN Proper Shipping Name

Proper Shipping Name (ADG) : ADHESIVES
Proper Shipping Name (IMDG) : ADHESIVES
Proper Shipping Name (IATA) : Adhesives

14.3. Transport hazard class(es)

ADG

Transport hazard class(es) (ADG) : 3
Danger labels (ADG) : 3



IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3

TIP TOP CEMENT FD-BL

Safety Data Sheet

according to the WHS Regulations
SDS No: 00156-0313

Danger labels (IATA) : 3



14.4. Packing group

Packing group (ADG) : II - Substances presenting medium danger
Packing group (IMDG) : II
Packing group (IATA) : II

14.5. Environmental hazards

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) : 1133
Limited quantities (ADG) : 5L
Packing instructions (ADG) : P001, IBC02
Special packing provisions (ADG) : PP1
Portable tank and bulk container instructions (ADG) : T4
Portable tank and bulk container special provisions (ADG) : TP1, TP8

Transport by sea

UN-No. (IMDG) : 1133
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP8
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage) : S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Stowage category (IMDG) : B

Air transport

UN-No. (IATA) : 1133
PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y341
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 353
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 364
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3
ERG code (IATA) : 3L

14.8. Hazchem or Emergency Action Code

Hazchem Code : * 3YE

TIP TOP CEMENT FD-BL

Safety Data Sheet

according to the WHS Regulations
SDS No: 00156-0313

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 : Schedule 5

15.2. International agreements

No additional information available

SECTION 16: Other information

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 : 11/01/2023
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.

Classification	
Flam. Liq. 2	H225
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
STOT SE 3	H336
Aquatic Acute 1	H400

TIP TOP CEMENT FD-BL

Safety Data Sheet

according to the WHS Regulations
SDS No: 00156-0313

Classification	
Aquatic Chronic 1	H410

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
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids, Category 2
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
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects