



Conforms to SANS 11014:2010 – South Africa

SAFETY DATA SHEET

Rislone CAT Complete

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name: Rislone CAT Complete
Product no.: 44720

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture: Fuel additive
Uses advised against : None known.

Details of the supplier of the safety data sheet

Company and address: **Rislone**
P.O. Box 187
Holly, MI 48442
USA
(810) 603-1321
www.Rislone.com

Distributor: **Keizin Automotive**
Unit B6, Glen Murray Ind. Park
PO Box 201728, Durban North, 4016
South Africa

E-mail: support@rislone.com
SDS date: 27 May 2025
SDS Version: 2.0
Date of previous version: 04 March 2025 (1.0)

Emergency telephone number

ChemTel Inc.
(800) 255-3924 (North America)
+1 (813) 248-0585 (International)
Keizin Automotive Ltd
27 (31) 569 2221

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

▼ Classification of the substance or mixture

Flam. Liq. 4; H227, Combustible liquid
Skin Irrit. 3; H316, Causes mild skin irritation
Acute Tox. 3; H331, Toxic if inhaled.
Aquatic Acute 3; H402, Harmful to aquatic life.



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Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

Label elements

▼ Hazard pictogram(s):



▼ Signal word:

Danger

▼ Hazard statement(s):

Combustible liquid (H227)
Causes mild skin irritation (H316)
Toxic if inhaled. (H331)
Harmful to aquatic life. (H402)
Harmful to aquatic life with long lasting effects. (H412)

Precautionary statement(s):

▼ General:

If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)

▼ Prevention:

Avoid breathing mist/vapour. (P261)
Use only outdoors or in a well-ventilated area. (P271)

▼ Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304+P340)
Specific treatment (see instructions on this label). (P321)

▼ Storage:

Store locked up. (P405)

Disposal:

Dispose of contents/container in accordance with local regulation (P501)

Hazardous substances:

2-butoxyethanol
p-xylene;m-xylene;xylene;o-xylene
Tricarbonyl(methylcyclopentadienyl)manganese

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable. This product is a mixture.

Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of	CAS No.: 64742-55-8 EC No.: 265-158-7	25-40%	Asp. Tox. 1, H304	[19]



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hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]				
2-butoxyethanol	CAS No.: 111-76-2 EC No.: 203-905-0	5-10%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	
Distillates (petroleum), hydrotreated light;Kerosine - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).]	CAS No.: 64742-47-8 EC No.: 265-149-8	3-5%	Asp. Tox. 1, H304	[19]
Paraffins (petroleum), normal C5-20	CAS No.: 64771-72-8 EC No.: 265-233-4	3-5%	Asp. Tox. 1, H304	[19]
p-xylene;m-xylene;xylene;o-xylene	CAS No.: 1330-20-7 EC No.: 215-535-7	1-3%	Flam. Liq. 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox. 4, H332	



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Solvent naphtha (petroleum), light arom.	CAS No.: 64742-95-6 EC No.: 265-199-0	1-3%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	[19]
Tricarbonyl(methylcyclopentadienyl)manganese	CAS No.: 12108-13-3 EC No.: 235-166-5	<1%	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 1, H330 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

▼ Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact Tygerberg Poison Information Centre: 861 555 777 (24-hour service)
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼ *Inhalation:*

Upon breathing difficulties or irritation of the respiratory tract: Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

▼ *Skin contact:*

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical



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Eye contact:

advice/attention.

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

Most important symptoms and effects, both acute and delayed

None known.

▼ Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

Special hazards arising from the substance or mixture

Combustible liquid

In use may form flammable/explosive vapour-air mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact Tygerberg Poison Information Centre (tel: 861 555 777) to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES



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▼ Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapours from spilled material.
Contaminated areas may be slippery.

Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

▼ Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

▼ Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

▼ Conditions for safe storage, including any incompatibilities

Store locked up. A sign warning of toxic materials shall be affixed the room and cupboard containing the product(s).

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Properly labeled containers

Storage conditions:

Dry, cool and well ventilated

Tightly closed container

Incompatible materials:

heat, sparks, flame, and other sources of ignition

Combustible materials

Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

2-butoxyethanol

Long term exposure limit (8 hours) (ppm): 40 (Max. limit)



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p-xylene;m-xylene;xylene;o-xylene

Short term exposure limit (15 minutes) (ppm): 300

Long term exposure limit (8 hours) (ppm): 200

Annotations:

SKIN = Danger of cutaneous absorption. Refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes by contact with vapours, liquids and solids. Overexposure may also occur following dermal contact with liquids and aerosols, even when airborne exposures at-/or below the OEL.

ethylbenzene

Long term exposure limit (8 hours) (ppm): 40

Annotations:

CARC = The substance is carcinogenic based on IARC categorisation including category 1A, 1B and Category 2

SKIN = Danger of cutaneous absorption. Refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes by contact with vapours, liquids and solids. Overexposure may also occur following dermal contact with liquids and aerosols, even when airborne exposures at-/or below the OEL.

Tricarbonyl(methylcyclopentadienyl)manganese

Long term exposure limit (8 hours) (mg/m³): 0.4

Annotations:

SKIN = Danger of cutaneous absorption. Refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes by contact with vapours, liquids and solids. Overexposure may also occur following dermal contact with liquids and aerosols, even when airborne exposures at-/or below the OEL.

Regulations for Hazardous Chemical Agents
(2021)



2-butoxyethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Inhalation	59 mg/m ³
Long term – Systemic effects - Workers	Inhalation	98 mg/m ³
Short term – Local effects - General population	Inhalation	147 mg/m ³
Short term – Local effects - Workers	Inhalation	246 mg/m ³
Short term – Systemic effects - General population	Inhalation	426 mg/m ³
Short term – Systemic effects - Workers	Inhalation	1091 mg/m ³
Long term – Systemic effects - General population	Oral	6.3 mg/kg bw/day
Short term – Systemic effects - General population	Oral	26.7 mg/kg bw/day

Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100



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°F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	970 µg/kg bw/day
Long term – Local effects - General population	Inhalation	1.19 mg/m ³
Long term – Local effects - Workers	Inhalation	5.58 mg/m ³
Long term – Systemic effects - Workers	Inhalation	2.73 mg/m ³
Long term – Systemic effects - General population	Oral	740 µg/kg bw/day

ethylbenzene

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	180 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	442 mg/m ³
Long term – Systemic effects - General population	Inhalation	15 mg/m ³
Long term – Systemic effects - Workers	Inhalation	77 mg/m ³
Short term – Local effects - Workers	Inhalation	293 mg/m ³
Long term – Systemic effects - General population	Oral	1.6 mg/kg bw/day

p-xylene;m-xylene;xylene;o-xylene

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	125 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	212 mg/kg bw/day
Long term – Local effects - General population	Inhalation	65.3 mg/m ³
Long term – Local effects - Workers	Inhalation	221 mg/m ³
Long term – Systemic effects - General population	Inhalation	65.3 mg/m ³
Long term – Systemic effects - Workers	Inhalation	221 mg/m ³
Short term – Local effects - General population	Inhalation	260 mg/m ³
Short term – Local effects - Workers	Inhalation	442 mg/m ³
Short term – Systemic effects - General population	Inhalation	260 mg/m ³
Short term – Systemic effects - Workers	Inhalation	442 mg/m ³
Long term – Systemic effects - General population	Oral	5 mg/kg bw/day

Solvent naphtha (petroleum), light arom.

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	178.57 mg/m ³
Long term – Local effects - Workers	Inhalation	837.5 mg/m ³
Long term – Systemic effects - General population	Inhalation	410 µg/m ³
Long term – Systemic effects - Workers	Inhalation	1.9 mg/m ³
Short term – Local effects - General population	Inhalation	640 mg/m ³
Short term – Local effects - Workers	Inhalation	1066.67 mg/m ³



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Short term – Systemic effects - General population	Inhalation	1152 mg/m ³
Short term – Systemic effects - Workers	Inhalation	1286.4 mg/m ³

Tricarbonyl(methylcyclopentadienyl)manganese

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	62 µg/kg bw/day
Long term – Systemic effects - Workers	Dermal	110 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	110 µg/m ³
Long term – Systemic effects - Workers	Inhalation	600 µg/m ³

▼ PNEC

2-butoxyethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		8.8 mg/L
Freshwater sediment		34.6 mg/kg
Intermittent release (freshwater)		26.4 mg/L
Marine water		880 µg/L
Marine water sediment		3.46 mg/kg
Predators		20 mg/kg
Sewage treatment plant		463 mg/L
Soil		2.33 mg/kg

Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]

Route of exposure:	Duration of Exposure:	PNEC:
Predators		9.33 mg/kg

ethylbenzene

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		100 µg/L
Freshwater sediment		13.7 mg/kg
Intermittent release (freshwater)		100 µg/L
Marine water		10-100 µg/L
Marine water sediment		1.37 mg/kg
Predators		20 mg/kg
Sewage treatment plant		9.6 mg/L
Soil		2.68 mg/kg

p-xylene;m-xylene;xylene;o-xylene

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		44-327 µg/L



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Freshwater sediment		2.52-12.46 mg/kg
Intermittent release (freshwater)		10-327 µg/L
Intermittent release (marine water)		1 µg/L
Marine water		4.4-327 µg/L
Marine water sediment		252-12460 µg/kg
Sewage treatment plant		1.6-6.58 mg/L
Soil		852-2310 µg/kg

Tricarbonyl(methylcyclopentadienyl)manganese

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		210 ng/L
Intermittent release (freshwater)		2.1 µg/L
Marine water		21 ng/L
Soil		16 µg/kg

Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment


▼ *Generally:*

Use only CE marked protective equipment.


Respiratory Equipment:

No specific requirements

Skin protection:

Recommended	Type/Category	Standards	
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Gloves	-	-	EN374	

Eye protection:

Type	Standards	
Tight sealing safety goggles	Tight sealing safety goggles	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<i>Form:</i>	Liquid
<i>Colour:</i>	Brown
<i>Odour:</i>	Petroleum-like
<i>Odour threshold (ppm):</i>	No data available.
<i>pH:</i>	No data available.
<i>Density (g/cm³):</i>	-
<i>Relative density:</i>	0,81
<i>Kinematic viscosity:</i>	No data available
<i>Dynamic viscosity:</i>	23.4 mPa.s

Particle characteristics

Does not apply to liquids.

Phase changes

<i>Melting point (°C):</i>	No data available
<i>Boiling point (°C):</i>	No data available
<i>Vapour pressure:</i>	No data available
<i>Relative vapour density:</i>	No data available.
<i>Decomposition temperature (°C):</i>	No data available
<i>Evaporation rate (n-butylacetate = 100):</i>	

Data on fire and explosion hazards



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<i>Flash point (°C):</i>	67
<i>Flammability (°C):</i>	No data available
<i>Auto-ignition temperature (°C):</i>	No data available
<i>Explosion limits (% v/v):</i>	No data available.

Solubility

<i>Solubility in water:</i>	Insoluble
<i>n-octanol/water coefficient (LogKow):</i>	No data available.
<i>Solubility in fat (g/L):</i>	No data available.

Other information

<i>Other physical and chemical parameters:</i>	No data available.
<i>Oxidizing properties:</i>	No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

Possibility of hazardous reactions

None known.

Conditions to avoid

Heat, flames, and sparks

Incompatible materials

heat, sparks, flame, and other sources of ignition
Combustible materials

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

▼ Acute toxicity

Toxic if inhaled.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation



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Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Long term effects

None known.

Other information

2-butoxyethanol has been classified by IARC as a group 3 carcinogen.

p-xylene;m-xylene;xylene;o-xylene has been classified by IARC as a group 3 carcinogen.

ethylbenzene has been classified by IARC as a group 2B carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Harmful to aquatic life with long lasting effects.

Persistence and degradability

Based on available data, the classification criteria are not met.

Bioaccumulative potential

Based on available data, the classification criteria are not met.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

▼ Waste treatment methods

Waste should be classified as hazardous (Class 6 - Toxic and Infectious Materials)



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Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

▼ Additional information

Not dangerous goods according to ADR, IATA and IMDG.

Although this product is environmentally hazardous, the environmentally hazardous substance mark has been omitted as the product is supplied in packaging with a maximum quantity of 5 L / 5 kg.

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Special precautions for user

Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

People under the age of 18 shall not be exposed to this product.
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education:

No specific requirements.

▼ *Additional information:*

Tactile warning.
If this product is sold in retail, it must be delivered with child-resistant fastening.

Sources:

National Environmental Management: Waste Act 2008 (Act no. 59 of 2008)
Waste Classification and Management



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Regulations
Minimum Requirements for the Handling,
Classification and Disposal of Hazardous
Waste (MRHW)
SANS 10234 : 1.01ED 2008 GLOBALLY
HARMONIZED SYSTEM OF CLASSIFICATION
AND LABELLING OF CHEMICALS (GHS)

Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.
H301, Toxic if swallowed.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H310, Fatal in contact with skin.
H312, Harmful in contact with skin.
H315, Causes skin irritation.
H319, Causes serious eye irritation.
H330, Fatal if inhaled.
H332, Harmful if inhaled.
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.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient



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MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

▼ **Additional information**

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by SANS 10234

The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by SANS 10234

The safety data sheet is validated by

NL

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: ZA-en