



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:* 04 March 2025

*SDS Version:* 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

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.

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#### Classification of the substance or mixture



Conforms to SANS 11014:2010 – South Africa

Flam. Liq. 4; H227, Combustible liquid  
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

### Label elements

*Hazard pictogram(s):*

Not applicable.

*Signal word:*

Warning

*Hazard statement(s):*

Combustible liquid (H227)  
Harmful to aquatic life with long lasting effects. (H412)

*Precautionary statement(s):*

*General:*

Keep out of reach of children. (P102)

*Prevention:*

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)  
Avoid release to the environment. (P273)

*Response:*

In case of fire: Use water mist/carbon dioxide/alcohol-resistant foam to extinguish. (P370+P378)

*Storage:*

Store in a well-ventilated place. Keep cool. (P403+P235)

*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.

### Other hazards

## 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 hydrocarbons obtained by treating a petroleum	CAS No.: 64742-55-8 EC No.: 265-158-7	25-40%	Asp. Tox. 1, H304	[19]



Conforms to SANS 11014:2010 – South Africa

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	
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	[19]



Conforms to SANS 11014:2010 – South Africa

			Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
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 person into fresh air and stay with him/her.

##### *Skin contact:*

IF ON SKIN: Wash with plenty of water and soap.  
If skin irritation occurs: Get medical advice/attention.

##### *Eye contact:*

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



Conforms to SANS 11014:2010 – South Africa

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**

Treat symptomatically.

**Information to medics**

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

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**SECTION 5: FIRE-FIGHTING MEASURES**

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**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 / CO<sub>2</sub>)

**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.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas.

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**

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

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.



Conforms to SANS 11014:2010 – South Africa

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 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

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)

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



Conforms to SANS 11014:2010 – South Africa

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/m<sup>3</sup>): 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)

## 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:*


Take off contaminated clothing and wash it before reuse.

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/cm<sup>3</sup>):</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





Conforms to SANS 11014:2010 – South Africa

<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.
<i>Pour point:</i>	Pour point

## **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**

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

#### **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.



Conforms to SANS 11014:2010 – South Africa

**Skin sensitisation**

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**

Dispose of contents/container to an approved waste disposal plant.




Conforms to SANS 11014:2010 – South Africa

### 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	UN1993	FLAMMABLE LIQUID, N.O.S.	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

#### Additional information

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.  
Not dangerous goods according to SABS Code 0228.

#### 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



Conforms to SANS 11014:2010 – South Africa

*Demands for specific education:*

*Additional information:*

*Sources:*

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.

No specific requirements.

Not applicable.

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

Waste Classification and Management 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



Conforms to SANS 11014:2010 – South Africa

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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  
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 environmental hazards are in accordance with the calculation methods given by SANS 10234

#### **The safety data sheet is validated by**

NL

#### **Other**

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Country-language: ZA-en