



Conforms to SANS 11014:2010 – South Africa

SAFETY DATA SHEET

Rislone Octane Booster

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name: Rislone Octane Booster
Product no.: 44747

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

Importer:

E-mail: support@rislone.com
SDS date: 06 February 2026
SDS Version: 1.0

Emergency telephone number

ChemTel Inc.
(800) 255-3924 (North America)
+1 (813) 248-0585 (International)

999 / 112 Eswatini Emergency Services

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

Classification of the substance or mixture

Flam. Liq. 4; H227, Combustible liquid
Acute Tox. 5; H303, May be harmful if swallowed
Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.
Acute Tox. 5; H313, May be harmful in contact with skin
Skin Irrit. 2; H315, Causes skin irritation.
Eye Irrit. 2; H319, Causes serious eye irritation.
Acute Tox. 3; H331, Toxic if inhaled.
Aquatic Acute 3; H402, Harmful to aquatic life.
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)
May be harmful if swallowed or in contact with skin (H303+H313)
May be fatal if swallowed and enters airways. (H304)
Causes skin irritation. (H315)
Causes serious eye irritation. (H319)
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:

Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by



Conforms to SANS 11014:2010 – South Africa

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
Tricarbonyl(methylcyclopentadienyl)manganese

Additional labelling:

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 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.]	CAS No.: 64742-55-8 EC No.: 265-158-7	25-40%	Asp. Tox. 1, H304	[19]
2-butoxyethanol	CAS No.: 111-76-2 EC No.: 203-905-0	10-15%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	



Conforms to SANS 11014:2010 – South Africa

Tricarbonyl(methylcyclopentadienyl)manganese	CAS No.: 12108-13-3 EC No.: 235-166-5	1-3%	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 1, H330 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
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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 advice/attention.

Eye contact:

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C)



Conforms to SANS 11014:2010 – South Africa

Ingestion:

for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

Burns:

Not applicable.

Most important symptoms and effects, both acute and delayed

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

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



Conforms to SANS 11014:2010 – South Africa

further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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:

Always store in containers of the same material as the original container.

Storage conditions:

Cool, dry conditions in well sealed receptacles
Away from heat.
Keep in properly labeled containers.



Conforms to SANS 11014:2010 – South Africa

Incompatible materials:

Keep out of the reach of children.

Store locked up.

Strong acids

Strong oxidizing agents

Strong bases

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)

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



Conforms to SANS 11014:2010 – South Africa

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	0.97 mg/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	0.74 mg/kg bw/day

Tricarbonyl(methylcyclopentadienyl)manganese

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.062 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	0.11 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	0.11 mg/m ³
Long term – Systemic effects - Workers	Inhalation	0.6 mg/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

Tricarbonyl(methylcyclopentadienyl)manganese

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0.21 µg/L
Intermittent release (freshwater)		2.1 µg/L
Marine water		0.021 µg/L



Conforms to SANS 11014:2010 – South Africa

Soil		16 µg/kg
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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:

Take off contaminated clothing and wash it before reuse.

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	
Protective work clothing	Protective work clothing		
NA	NA	Long sleeved clothing	

Hand protection:



Conforms to SANS 11014:2010 – South Africa

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

Form:	Liquid
Colour:	Yellow
Odour:	Petroleum-like
Odour threshold (ppm):	No data available.
pH:	Not determined
Density (g/cm ³):	0.78
Relative density:	0.78
Kinematic viscosity:	No data available.

Particle characteristics

Does not apply to liquids.

Phase changes

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

Data on fire and explosion hazards

Flash point (°C):	70
Flammability (°C):	No data available.
Auto-ignition temperature (°C):	No data available.
Explosion limits (% v/v):	No data available.

Solubility



Conforms to SANS 11014:2010 – South Africa

<i>Solubility in water:</i>	Not miscible or difficult to mix
<i>n-octanol/water coefficient (LogKow):</i>	No data available.
<i>Solubility in fat (g/L):</i>	No data available.

Other information

<i>Evaporation rate (n-butylacetate = 100):</i>	No data available
<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
Excessive heat

Incompatible materials

Strong acids
Strong oxidizing agents
Strong bases

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

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory sensitisation

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

Skin sensitisation



Conforms to SANS 11014:2010 – South Africa

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

May be fatal if swallowed and enters airways.

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Other information

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



Conforms to SANS 11014:2010 – South Africa

Waste treatment methods

Waste should be classified as hazardous (Class 6 - Toxic and Infectious Materials)
Dispose of contents/container to an approved waste disposal plant.

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/ADN/ RID	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

This product is within scope of the regulations of transport of dangerous goods.
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.



Conforms to SANS 11014:2010 – South Africa

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
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

H301, Toxic if swallowed.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H310, Fatal in contact with skin.
H315, Causes skin irritation.
H319, Causes serious eye irritation.
H330, Fatal if inhaled.
H332, Harmful if inhaled.
H400, Very toxic to aquatic life.
H410, Very 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
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