

SAFETY DATA SHEET

Rislone Octane Booster

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE **COMPANY/UNDERTAKING**

1.1. **Product identifier**

	Trade name:	Rislone Octane Booster	
	Product no.:	24747	
1.2.	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 1.3.

Company and address:	Rislone P.O. Box 187 Holly, MI 48442 USA (810) 603-1321 www.Rislone.com
E-mail:	support@rislone.com
SDS date:	26 February 2024
SDS Version:	1.0
Emergency telephone number	

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

SECTION 2: HAZARDS IDENTIFICATION

2.1. 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. STOT SE 1; H370, Causes damage to organs. STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.

2.2. 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) Toxic if inhaled. (H331) Causes damage to organs. (H370) May cause damage to organs through prolonged or repeated exposure. (H373)
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:	Do not breathe vapour/mist. (P260) 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 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)mangan ese
Additional labelling:	Not applicable.

2.3. Other hazards



Additional warnings:

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. 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	
Tricarbonyl(methylcyclop entadienyl)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	

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

4.1.	Description of first aid measures			
	General information:	In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. 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) 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.		
	Ingestion:	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.		



4.2. 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.

4.3. 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: FIREFIGHTING MEASURES

5.1. 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.

5.2. 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)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. 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.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. Keep unauthorized persons away from the spill

6.3. 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.

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



6.4. 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

7.1. Precautions for safe handling

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.

7.2. 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:

Storage temperature:

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

Cool, dry conditions in well sealed receptacles Away from heat. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

Incompatible materials:

Strong acids Strong oxidizing agents Strong bases

7.3. Specific end use(s)

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

2-butoxyethanol

Ceiling value (VLE-P): 20 ppm

Annotations:

A3 = Carcinogenic effect detected in animals. Results of studies relating to the carcinogenocity are not necessarily applicable to humans.

IBE = Biological limit value recommended for the substance.

Tricarbonyl(methylcyclopentadienyl)manganese Ceiling value (VLE-P): 0.2 mg/m³ Annotations: PIEL = The ability of the substance to be absorbed through the skin, mucous membranes or eyes in significant quantities, increases the risk from exposure to the substance.

Official Mexican standard NOM-010-STPS-2014, Contaminating chemical agents in the work environment – inspection, evaluation, and control.



DNEL:

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.]

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	970 µg/kgbw/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/kgbw/day

Tricarbonyl(methylcyclopentadienyl)manganese

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	62 µg/kgbw/day
Long term – Systemic effects - Workers	Dermal	110 µg/kgbw/day
Long term – Systemic effects - General population	Inhalation	110 µg/m³
Long term – Systemic effects - Workers	Inhalation	600 µg/m³

PNEC:

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:	Dura	tion of Exposure:	PNEC:
Predators			9.33 mg/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

8.2. 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	Protective work clothing		



Recommended	Type/Category	Standards	
clothing			
NA	NA	Long sleeved clothing	

Hand protection:

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

Eye protection:

Туре	Standards	
Tight sealing safety goggles	Tight sealing safety goggles	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

	1 2	• •
Form:		Liquid
Colour:		Yellow
Odour:		Petroleum-like
Odour thre	eshold (ppm):	Testing not relevant or not possible due to the nature of the product.
pН:		Not determined
Density (g/	′cm³):	-
Relative de	ensity:	0.78
Kinematic	viscosity:	Testing not relevant or not possible due to the nature of the product.
Phase changes		
Melting po	oint (°C):	No data available
Boiling po	int (°C):	164
Vapour pr	essure:	No data available
Relative vo	apour density:	No data available
Decompos	ition temperature (°C):	No data available
Evaporatio	on rate (n-butylacetate = 100):	No data available
Data on fire an	d explosion hazards	
Flash poin	t (°C):	70
Flammabi	lity (°C):	Testing not relevant or not possible due to the nature of the product.
Auto-igniti	ion temperature (°C):	Testing not relevant or not possible due to the nature of the product.



	Explosion limits (% v/v):	Testing not relevant or not possible due to the nature of the product.
	Explosive properties:	No data available
	Oxidizing properties:	No data available
Solub	bility	
	Solubility in water:	Not miscible or difficult to mix
	n-octanol/water coefficient (LogKow):	Testing not relevant or not possible due to the nature of the product.
	Solubility in fat (g/L):	Testing not relevant or not possible due to the nature of the product.
9.2.	Other information	
	Sensitivity to friction:	Sensitivity to friction
	Thermal stability:	Thermal stability
	Self-accelerating decomposition temperature (SADT) (°C):	Self-accelerating decomposition temperatur (SADT) (°C)
	TCi - Maximum content of flammable gas which, when mixed with nitrogen, is not flammable in air (mol. %):	TCi - Maximum content of flammable gas which, when mixed with nitrogen, is not flammable in air (mol. %)
	Fundamental burning velocity (mm/s):	Fundamental burning velocity (mm/s)
	Coefficient of oxygen equivalency (Ci):	Coefficient of oxygen equivalency (Ci)
	Critical temperature (pure gas) (°C):	Critical temperature (pure gas) (°C)
	Pseudo-critical temperature (gas mixture) (°C):	Pseudo-critical temperature (gas mixture) (°C)
	Burning rate (flammable solids) (mm/s):	Burning rate (flammable solids) (mm/s)
	Burning time (flammable solids) (s):	Burning time (flammable solids) (s)
	Decomposition temperature (Self-reactive substances and mixtures) (°C):	Decomposition temperature (Self-reactive substances and mixtures) (°C)
	Detonation properties:	Detonation properties
	Deflagration properties:	Deflagration properties
	Explosive power:	Explosive power
	Evaporation rate (n-butylacetate = 100):	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity No data available.

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

10.3. Possibility of hazardous reactions None known.

10.4. Conditions to avoid



Heat, flames, and sparks Excessive heat

10.5. Incompatible materials Strong acids Strong oxidizing agents

Strong bases

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Toxic if inhaled. 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

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

Reproductive toxicity

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

STOT-single exposure

Causes damage to organs.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

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.

SECTION 12: ECOLOGICAL INFORMATION



12.1. Toxicity

	No data available.
12.2.	Persistence and degradability Based on available data, the classification criteria are not met.
12.3.	Bioaccumulative potential Based on available data, the classification criteria are not met.
12.4.	Mobility in soil No data available.
12.5.	Results of PBT and vPvB assessment This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
12.6.	Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

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

Contaminated packing

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

SECTION 14: TRANSPORT INFORMATION

		14.2 UN proper shipping name				Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

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

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code No data available.

SECTION 15: REGULATORY INFORMATION

15.1. 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.
National Inventory of Chemical Substances of Mexico (INSQ):	2-butoxyethanol is listed Tricarbonyl(methylcyclopentadienyl)mangan ese is listed
Sources:	Federal Regulations on Safety and Health at Work (DOF: 13/11/2014) Official Mexican standard NOM-018-STPS- 2015, Harmonized System for the identification and communication of hazards and risks from hazardous chemical substances in the workplace

15.2. 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.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

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 DOF = The national registry of laws ECOL (SEMARNAT) = Secretariat of the Environment and Natural Resources EINECS = European Inventory of Existing Commercial chemical Substances



GHS = Globally Harmonized System of Classification and Labelling of Chemicals IARC = International Agency for Research on Cancer IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods INSQ = National Inventory of Chemical Substances of Mexico LogKoc = Soil adsorption coefficient 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) NOM = Official Mexican standard OECD = Organisation for Economic Co-operation and Development PBT = Persistent, Bioaccumulative and Toxic RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail SCL = Specific concentration limit. STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE = Specific Target Organ Toxicity - Single Exposure STPS = Ministry of Labor and Social Welfare UN = United Nations UVBC = Unknown or variable composition, complex reaction products or of biological materials VLE-CT = Short-term exposure limit VLE-P = Ceiling value VLE-PPT = Time Weighted Average Exposure Limit Value 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.

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 blue 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: MX-en