SAFETY DATA SHEET

Rislone CAT Complete

SECTION 1: IDENTIFICATION

1.1. Product identifier

Trade name:	Rislone CAT Complete
Product no.:	34720

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.

1.3. 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
E-mail:	support@rislone.com
SDS date:	28 January 2025

1.4. Emergency telephone number

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

SECTION 2: HAZARD(S) IDENTIFICATION

Classified according to WHMIS 2022.

2.1. Classification of the substance or mixture

Flam. Liq. 4; H227, Combustible liquid
Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.
Acute Tox. 3; H331, Toxic if inhaled.

2.2. Label elements

Hazard pictogram(s):

Signal word: Danger

Hazard statement(s):	Combustible liquid (H227) May be fatal if swallowed and enters airways. (H304) Toxic if inhaled. (H331)
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:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210) Avoid breathing mist/vapour. (P261) Use only outdoors or in a well-ventilated area. (P271)
Response:	IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310) IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304+P340) Call a doctor/POISON CENTER. (P311) Specific treatment (see instructions on this label). (P321) Do NOT induce vomiting. (P331) In case of fire: Use water mist/carbon dioxide/alcohol-resistant foam to extinguish. (P370+P378)
Storage:	Store in a well-ventilated place. Keep container tightly closed. (P403+P233) Store in a well-ventilated place. Keep cool. (P403+P235) 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.] 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).]
Paraffins (petroleum), normal C5-20
Tricarbonyl(methylcyclopentadienyl)manganese

Additional labelling: Not applicable.

2.3. Other hazards

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	25-40%	Asp. Tox. 1, H304	[19]
2-butoxyethanol	CAS No.: 111-76-2	5-10%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	
Distillates (petroleum), hydrotreated	CAS No.: 64742-47-8	3-5%	Asp. Tox. 1, H304	[19]

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).]				
Paraffins (petroleum), normal C5-20	CAS No.: 64771-72-8	3-5%	Asp. Tox. 1, H304	[19]
p-xylene;m-xylene;xylene;o-xylene	CAS No.: 1330-20-7	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	1-3%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336	[19]
Tricarbonyl(methylcyclopentadienyl)manganese	CAS No.: 12108-13-3	<1%	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: If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give

	immediate treatment (first aid). 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 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 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: FIRE-FIGHTING 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 a poison centre in order to obtain further advice. See section 1 “Emergency telephone number”.

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

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

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
ALBERTA

2-butoxyethanol
Long term exposure limit (8 hours) (ppm): 20
Long term exposure limit (8 hours) (mg/m^3): 97
Annotations:
3 = Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.

p-xylene;m-xylene;xylene;o-xylene
Long term exposure limit (8 hours) (ppm): 100
Long term exposure limit (8 hours) (mg/m^3): 434
Short term exposure limit (15 minutes) (ppm): 150
Short term exposure limit (15 minutes) (mg/m^3): 651

ethylbenzene
Long term exposure limit (8 hours) (ppm): 100
Long term exposure limit (8 hours) (mg/m^3): 434
Short term exposure limit (15 minutes) (ppm): 125
Short term exposure limit (15 minutes) (mg/m^3): 543

Tricarbonyl(methylcyclopentadienyl)manganese
Long term exposure limit (8 hours) (mg/m^3): 0.2
Annotations:
1 = Substance may be readily absorbed through intact skin.

Occupational Health and Safety Code 2009 Order, Alta Reg 87/2009 (revised in 2018)

BRITISH COLUMBIA
2-butoxyethanol
Time-Weighted Average Limit (TWA): 20 ppm

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

Time-Weighted Average Limit (TWA): 100 ppm
Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 150 ppm

ethylbenzene
Time-Weighted Average Limit (TWA): 20 ppm

Tricarbonyl(methylcyclopentadienyl)manganese
Time-Weighted Average Limit (TWA): 0.2 mg/m^3
Annotations:
Skin = The substances contributes significantly to the overall exposure by the skin route.

OHS Regulation Part 5: Chemical Agents and Biological Agents.

ONTARIO
2-butoxyethanol
Time-Weighted Average Limit (TWA): 20 ppm

p-xylene;m-xylene;xylene;o-xylene
Time-Weighted Average Limit (TWA): 100 ppm
Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 150 ppm

ethylbenzene
Time-Weighted Average Limit (TWA): 20 ppm

Tricarbonyl(methylcyclopentadienyl)manganese
Time-Weighted Average Limit (TWA): 0.2 mg/m^3
Annotations:
"Skin" = Danger of cutaneous absorption.

Regulation 833 (Control of Exposure to Biological or Chemical Agents) and Ontario Regulation 490/09 (Designated Substances)

QUEBEC
2-butoxyethanol
Long term exposure limit (8 hours) (ppm): 20
Annotations:
Note 3 = Where the use of these products is permitted.

p-xylene;m-xylene;xylene;o-xylene
Long term exposure limit (8 hours) (ppm): 100
Long term exposure limit (8 hours) (mg/m^3): 434

ethylbenzene
Long term exposure limit (8 hours) (ppm): 20
Annotations:
Note 3 = Where the use of these products is permitted.

Tricarbonyl(methylcyclopentadienyl)manganese
Long term exposure limit (8 hours) (mg/m^3): 0.2
Annotations:
Pc = Potentially significant contribution to the overall exposure by the cutaneous route. The cutaneous route includes mucous membranes and the eyes.

Regulation respecting occupational health and safety (Chapter S-2.1, r. 13)

SASKATCHEWAN
2-butoxyethanol
Long term exposure limit (8 hours) (ppm): 20
Short term exposure limit (15 minutes) (ppm): 30

p-xylene;m-xylene;xylene;o-xylene
Long term exposure limit (8 hours) (ppm): 100
Short term exposure limit (15 minutes) (ppm): 150

ethylbenzene
Long term exposure limit (8 hours) (ppm): 100
Short term exposure limit (15 minutes) (ppm): 125
Annotations:
T20 = Substance is also included in Table 20 of The Occupational Health and Safety Regulations and subject to Sections 306 and 311

Tricarbonyl(methylcyclopentadienyl)manganese
Long term exposure limit (8 hours) (mg/m^3): 0.2
Short term exposure limit (15 minutes) (mg/m^3): 0.6
Annotations:
Skin = Potentially harmful after absorption through the skin or mucous membranes

The Occupational Health and Safety Regulations, 2020, Chapter S15.1 Reg 10.

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:	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 protective equipment with a recognized certification mark, e.g. the UL mark.

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

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: Brown

Odour: Petroleum-like

Odour threshold (ppm): No relevant or available data due to the nature of the product.

pH: No relevant or available data due to the nature of the product.

Density (g/cm^3): -

Relative density: 0.81

Kinematic viscosity: No data available

Particle characteristics: Does not apply to liquids.

Phase changes

Melting point (°C):	No data available
Softening point/range (°F):	Does not apply to liquids.
Boiling point (°C):	No data available
Vapour pressure:	No data available
Relative vapour density:	No relevant or available data due to the nature of the product.
Decomposition temperature (°C):	No data available

Data on fire and explosion hazards

Flash point (°C):	67
Flammability (°C):	No data available
Auto-ignition temperature (°C):	No data available
Explosion limits (% v/v):	No relevant or available data due to the nature of the product.

Solubility

Solubility in water:	Insoluble
n-octanol/water coefficient (LogKow):	No relevant or available data due to the nature of the product.
Solubility in fat (g/L):	No relevant or available data due to the nature of the product.

9.2. Other information

Other physical and chemical parameters:	No data available.
Oxidizing properties:	No relevant or available data due to the nature of the product.

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

10.5. Incompatible materials
heat, sparks, flame, and other sources of ignition
Combustible materials

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

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. 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
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
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

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

p-xylene;m-xylene;xylene;o-xylene is listed with EPA Hazardous Waste Number: U239

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 information:
TDG	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

This product is within scope of the regulations of transport of dangerous goods.
TDG / See Schedule 1 for any information on special provisions, requirements, or warnings in connection with transport. See part 3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

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

15.2. Canadian lists

NDSL:	None of the components are listed
DSL:	Rislone CAT Complete is listed

15.4. 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.

15.5. Demands for specific education

No specific requirements.

Additional information

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

15.7. Chemical safety assessment

No

Sources

Hazardous Products Regulations (SOR/2022-272)

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.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ANSI = American National Standards Institute
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service

DSL = Domestic Substances List
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HHNOC = Health 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)
NDSL = Non-domestic substances list
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PHNOC = Physical Hazards Not Otherwise Classified
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit.
SOR = Statutory Orders and Regulations
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TDG = Transportation of Dangerous Goods
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
WHIMS = Workplace Hazardous Materials Information System

Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by WHMIS 2022

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: CA-en