SAFETY DATA SHEET

Rislone Max Octane

SECTION 1: IDENTIFICATION

1.1. Product identifier

Trade name:	Rislone Max Octane
Product no.:	HPF700C

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

Relevant identified uses of the substance or mixture:	Fuel additive For private use
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:	11 May 2026
SDS Version:	1.0

1.4. Emergency telephone number

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

SECTION 2: HAZARD(S) IDENTIFICATION

Classified as hazardous according to Hazardous Products Regulation SOR/2015-17 (as amended by SOR/2022-272).

2.1. Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.
Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.
Acute Tox. 3; H331, Toxic if inhaled.
Carc. 2; H351, Suspected of causing cancer.

2.2. Label elements

Hazard pictogram(s):

Signal word: Danger

Hazard statement(s):

Flammable liquid and vapour. (H226)
May be fatal if swallowed and enters airways. (H304)
Toxic if inhaled. (H331)
Suspected of causing cancer. (H351)

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:

Obtain special instructions before use. (P201)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Do not allow contact with air. (P222)
Avoid breathing mist/vapour. (P261)
Use only outdoors or in a well-ventilated area. (P271)
Wear eye protection/face protection/protective gloves/protective clothing. (P280)

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)
IF exposed or concerned: Get medical advice/attention. (P308+P313)
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)
Leaking gas fire: Do not extinguish, unless leak can be stopped safely. (P377)
In case of leakage, eliminate all ignition sources. (P381)

Storage:

Store in a well-ventilated place. (P403)

	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 Tricarbonyl(methylcyclopentadienyl)manganese Solvent naphtha (petroleum), heavy arom.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. ▼Mixtures

Chemical name	Common name/synonyms	Identifiers	% w/w	Classification	Note
Distillates (petroleum), hydrotreated light		CAS No.: 64742-47-8	60-80%	Asp. Tox. 1, H304	[19]
Tricarbonyl(methylcyclopentadienyl)manganese		CAS No.: 12108-13-3	1-3%	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 1, H330	
Solvent naphtha (petroleum), heavy arom.		CAS No.: 64742-94-5	1-3%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336	[19]
naphthalene		CAS No.: 91-20-3	<0.25%	Acute Tox. 4, H302 Carc. 2, H351	

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:	Rinse with water until pain stops then continue to rinse for 30 minutes.

4.2. Most important symptoms and effects, both acute and delayed

Headache, Methaemoglobinaemia (naphthalene)

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

Flammable liquid and vapour.
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.

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

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
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

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

Ground and bond container and receiving equipment.
Use explosion-proof electrical/lighting/ventilating equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Avoid direct contact with the product.
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.
Take action to prevent static discharges.
Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material:	Always store in containers of the same material as the original container.
Storage conditions:	No specific requirements.
Incompatible materials:	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

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

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

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

naphthalene
Long term exposure limit (8 hours) (ppm): 10
Long term exposure limit (8 hours) (mg/m^3): 52
Short term exposure limit (15 minutes) (ppm): 15
Short term exposure limit (15 minutes) (mg/m^3): 79
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
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.

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

naphthalene
Time-Weighted Average Limit (TWA): 10 ppm
Annotations:
Skin = The substances contributes significantly to the overall exposure by the skin route.

OHS Regulation Part 5: Chemical Agents and Biological Agents.

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

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

naphthalene
Time-Weighted Average Limit (TWA): 10 ppm
Annotations:
"Skin" = Danger of cutaneous absorption.

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

QUEBEC
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.

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

naphthalene
Long term exposure limit (8 hours) (ppm): 10
Annotations:
Pc = Potentially significant contribution to the overall exposure by the cutaneous route. The cutaneous route includes mucous membranes and the eyes.
Note 3 = Where the use of these products is permitted.

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

SASKATCHEWAN
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

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

naphthalene
Long term exposure limit (8 hours) (ppm): 10
Short term exposure limit (15 minutes) (ppm): 15
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: No specific requirements.

Respiratory Equipment:
No specific requirements.

Skin protection:
No specific requirements.

Hand protection:
No specific requirements.

Eye protection:
No specific requirements.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Red
Odour:	Petroleum-like
Odour threshold (ppm):	No data available.

pH:	Not determined
Density (g/cm^3):	-
Relative density:	0.848
Kinematic viscosity:	No data available
Particle characteristics:	No data available

Phase changes

Melting point/Freezing 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 data available
Decomposition temperature (°C):	No data available

Data on fire and explosion hazards

Flash point (°C):	59
Flammability (°C):	The material is ignitable.
Auto-ignition temperature (°C):	No data available
Explosion limits (% v/v):	No data available

Solubility

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

9.2. Other information

Evaporation rate (n-butylacetate = 100):	No data available
Other physical and chemical parameters:	No data available.
Oxidizing properties:	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
Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

Heat, flames, and sparks
Excessive heat

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

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

Suspected of causing cancer.

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

p-xylene;m-xylene;xylene;o-xylene has been classified by IARC as a group 3.
naphthalene has been classified by IARC as a group 2B.

SECTION 12: ECOLOGICAL INFORMATION

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

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
naphthalene is listed with EPA Hazardous Waste Number: U165

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	UN1992	FLAMMABLE LIQUID, TOXIC, N.O.S. (Paraffins (petroleum), normal C5-20, naphthalene, 1,2,4-trimethylbenzene)	Transport hazard class: 3 Label: 3+6.1 Classification code: FT1  	III	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	UN1992	FLAMMABLE LIQUID, TOXIC, N.O.S. (Paraffins (petroleum), normal C5-20, naphthalene, 1,2,4-trimethylbenzene)	Transport hazard class: 3 Label: 3+6.1 Classification code: FT1  	III	No	Limited quantities: 5 L EmS: F-E S-D See below for additional information.

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
IATA	UN1992	FLAMMABLE LIQUID, TOXIC, N.O.S. (Paraffins (petroleum), normal C5-20, naphthalene, 1,2,4-trimethylbenzene)	Transport hazard class: 3 Label: 3+6.1 Classification code: FT1  	III	No	See below for additional information.

* 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.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with 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: Distillates (petroleum), hydrotreated light
Tricarbonyl(methylcyclopentadienyl)manganese
Solvent naphtha (petroleum), heavy arom.
p-xylene;m-xylene;xylene;o-xylene
naphthalene

15.4. Restrictions for application

People under the age of 18 shall not be exposed to this product.

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 Regulation SOR/2015-17 (as amended by 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.
H315, Causes skin irritation.
H330, Fatal if inhaled.
H336, May cause drowsiness or dizziness.
H351, Suspected of causing cancer.

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
LogKow = logarithm of the n-octanol/water 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 classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

NL

SDS date: 2026-05-11

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