

#### SAFETY DATA SHEET

## Rislone Fuel Injector Cleaner with Upper Cylinder Lubricant

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

#### 1.1. Product identifier

Trade name:

Product no.: Unique formula identifier (UFI): Rislone Fuel Injector Cleaner with Upper Cylinder Lubricant 44701, 51701, 61701, 51732, 4732

7M0E-P0QP-J00T-8PJU

#### **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 Nordic AB Rydståvägen 45 S-424 91 OLOFSTORP Sweden +46 (0)31 55 50 88 https://www.rislonenordic.com/

Contact person: E-mail: Revision: SDS Version: Date of previous version:

Support Department info@rislonenordic.com 10 February 2025

2.0

30 January 2025 (1.0)

**1.4.** Emergency telephone number ChemTel Inc. (800) 255-3924 (North America) +1 (813) 248-0585 (International)

#### **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1. **v** Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

#### 2.2. Label elements

▼ Hazard pictogram(s):

Not applicable.



▼ Signal word:	Not applicable.
▼ Hazard statement(s):	Not applicable.
Precautionary statement(s):	
▼ General:	-
Prevention:	-
▼ Response:	-
▼ Storage:	-
▼ Disposal:	-
▼ Hazardous substances:	None known.
Additional labelling:	UFI: 7M0E-P0QP-J00T-8PJU
Other hazards	
Additional warnings:	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

#### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.1. Substances

Not applicable. This product is a mixture.

#### 3.2. Mixtures

2.3.

Product/substance	Identifiers	% w/w	Classification	Note
Distillates (petroleum),	CAS No.: 64742-55-8	25-40%	Asp. Tox. 1, H304	[12],
hydrotreated light	EC No.: 265-158-7			[19]
paraffinic;Baseoil -	REACH: 01-2119487077-29-			
unspecified;[A complex	XXXX			
combination of	Index No.: 649-468-00-3			
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).]	CAS No.: 64742-47-8 EC No.: 265-149-8 REACH: 01-2119474881-29- XXXX Index No.: 649-422-00-2	25-40%	Asp. Tox. 1, H304	[19]
1,2,4-trimethylbenzene	CAS No.: 95-63-6 EC No.: 202-436-9 REACH: 01-2119472135-42- XXXX Index No.: 601-043-00-3	<0.25%	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Chronic 2, H411	[1]
mesitylene;1,3,5- trimethylbenzene	CAS No.: 108-67-8 EC No.: 203-604-4 REACH: 01-2119463878-19- XXXX Index No.: 601-025-00-5	<0.1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411	
p-xylene;m- xylene;xylene;o-xylene	CAS No.: 1330-20-7 EC No.: 215-535-7 REACH: 01-2119488216-32- XXXX Index No.: 601-022-00-9	<0.05%	Flam. Liq. 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox. 4, H332	
1,2,3-trimethylbenzene	CAS No.: 526-73-8 EC No.: 208-394-8 REACH:	<0.05%	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319	



	Index No.:			
Cumene;propylbenzene	CAS No.: 98-82-8 EC No.: 202-704-5 REACH: 01-2119473983-24- XXXX Index No.: 601-024-00-X	<0.05%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 Aquatic Chronic 3, H412	
naphthalene	CAS No.: 91-20-3 EC No.: 202-049-5 REACH: 01-2119561346-37- XXXX Index No.: 601-052-00-2	<0.0001%	Acute Tox. 4, H302 Carc. 2, H351 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### **Other information**

[1] European occupational exposure limit.

[12] The classification as a carcinogen will not be taken into account as the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method' (CLP, Annex VI, note L).

[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 – take 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:	In case of discomfort: bring the person into fresh air.
	▼ Skin contact:	Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.
	▼ Eye contact:	Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.
	▼ Ingestion:	Rinse and flush mouth thoroughly and



consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

- **4.2. ▼ Most important symptoms and effects, both acute and delayed** Headache, Methaemoglobinaemia (naphthalene)
- **4.3. ▼Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

#### Information to medics

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

#### **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** 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 No specific requirements.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1.** ▼ Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, especially in confined areas. 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



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

Recommended storage material:	Always store in containers of the same material as the original container.
Storage conditions:	Avoid storage near extreme heat, ignition sources or open flame
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

1,2,4-trimethylbenzene Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 100 Long term exposure limit (8 hours) (ppm): 20 Annotations: E = The EU has set an indicative limit value and/or remark for the substance.

naphthalene Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 50 Long term exposure limit (8 hours) (ppm): 10 Annotations: E = The EU has set an indicative limit value and/or remark for the substance.

Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents (Regulations concerning Action and Limit values) FOR-2011-12-06-1358. Last update: FOR-2024-04-05-581.

#### DNEL

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	9512 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	16171 mg/kg bw/day
Long term – Local effects - General population	Inhalation	29.4 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	100 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	29.4 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	100 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	29.4 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	100 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	29.4 mg/m <sup>3</sup>

1,2,4-trimethylbenzene



Short term – Systemic effects - Workers	Inhalation	100 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	15 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/kg bw/day
Long term – Local effects - General population	Inhalation	1.19 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	5.58 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	2.73 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	740 µg/kg bw/day

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	3.57 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	25 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	25 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	25 mg/m <sup>3</sup>

#### **PNEC**

1.2	2.4-tr	imet	hvlb	enze	ne
-----	--------	------	------	------	----

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		120 µg/L
Freshwater sediment		13.56 mg/kg
Intermittent release (freshwater)		120 µg/L
Marine water		120 µg/L
Marine water sediment		13.56 mg/kg
Sewage treatment plant		2.41 mg/L
Soil		2.34 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

naphthalene		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		2.4 µg/L



Freshwater	2.4 μg/L
Freshwater sediment	67.2 μg/kg
Freshwater sediment	67.2 μg/kg
Intermittent release (freshwater)	20 μg/L
Intermittent release (freshwater)	20 μg/L
Marine water	2.4 μg/L
Marine water	2.4 μg/L
Marine water sediment	67.2 μg/kg
Marine water sediment	67.2 μg/kg
Sewage treatment plant	2.9 mg/L
Soil	53.3 µg/kg
Soil	53.3 µg/kg

#### 8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

ividual protection measures, such as persona	al protective equipment
▼ Measures to avoid environmental exposure:	No specific requirements.
▼ Hygiene measures:	Wash hands after use.
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.
Exposure limits:	Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.
Exposure scenarios:	There are no exposure scenarios implemented for this product.
General recommendations:	Smoking, drinking and consumption of food is not allowed in the work area.

#### Indiv

Use only CE marked protective equipment.

Respiratory Equipment: No specific requirements Skin protection: No specific requirements. Hand protection:

Generally:



Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Gloves	-	-	EN374	
ye protection:				
Туре	Standards			
Safety glasses with side shields.	EN166			

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

#### 9.1. Information on basic physical and chemical properties

Physical state: Colour: Odour / Odour threshold: pH: Density (g/cm<sup>3</sup>): ▼ Kinematic viscosity: Particle characteristics: Phase changes Melting point/Freezing point (°C): Softening point/range (°C): Boiling point (°C):

Vapour pressure:

Relative vapour density: Decomposition temperature (°C):

#### Data on fire and explosion hazards

Flash point (°C): Flammability (°C): Auto-ignition temperature (°C): Lower and upper explosion limit (% v/v):

#### Solubility

Solubility in water: n-octanol/water coefficient (LogKow):

Solubility in fat (g/L):

Liquid Yellowish, Gold, golden Petroleum-like Not determined 0.853 22.8 mPa.s (25 °C) Does not apply to liquids.

Not determined Does not apply to liquids. Not determined No relevant or available data due to the nature of the product. Not determined Not determined

102

Not applicable Not determined Product does not present an explosion hazard

Not miscible or difficult to mix No relevant or available data due to the nature of the product. No relevant or available data due to the



#### 9.2. Other information

Evaporation rate (n-butylacetate = 100): Other physical and chemical parameters: Oxidizing properties: nature of the product.

Not determined No data available. Not determined

#### 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. Keep away from heat and direct sunlight Store away from oxidizing agents

- **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 hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

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

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

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

#### **Respiratory sensitisation**

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

#### Skin sensitisation

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

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### **Reproductive toxicity**



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

#### STOT-single exposure

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

#### STOT-repeated exposure

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

#### ▼ Aspiration hazard

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

#### **11.2.** Information on other hazards

#### Long term effects

None known.

#### **Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

#### **Other information**

naphthalene 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.** Endocrine disrupting properties This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

**12.7.** Other adverse effects None known.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

#### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste. Disposal to the sewer is discouraged. Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste. *EWC code:* Not applicable.

#### **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	14.3 Hazard class(es)	-	Env**	Other informat ion:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
ΙΑΤΑ	-	-	-	-	-	-

#### Additional information

Not dangerous goods according to ADR, IATA and IMDG.

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.

-

## 14.6. Special precautions for user

Not applicable.

**14.7.** Maritime transport in bulk according to IMO instruments No data available.

#### **SECTION 15: REGULATORY INFORMATION**

# 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:	No special.
Demands for specific education:	No specific requirements.
SEVESO - Categories / dangerous substances:	Not applicable.
REACH, Annex XVII:	1,2,4-trimethylbenzene is subject to REACH restrictions (entry 40).
Additional information:	Not applicable.
▼ Sources:	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### 15.2. Chemical safety assessment

No



#### **SECTION 16: OTHER INFORMATION**

#### Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.

H302, Harmful if swallowed.

H304, May be fatal if swallowed and enters airways.

H312, Harmful in contact with skin.

H315, Causes skin irritation.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H335, May cause respiratory irritation.

H351, Suspected of causing cancer.

H400, Very toxic to aquatic life.

H410, Very toxic to aquatic life with long lasting effects.

H411, Toxic to aquatic life with long lasting effects.

H412, Harmful to aquatic life with long lasting effects.

#### 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

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

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)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number



SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

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

Not applicable.

#### 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: NO-en