







# Safety Data Sheet

According to Australia NOHSC (2011) and NZ HSNO (2006) Codes of Practice

Printing date: 15.02.2016

Revision: 4. 2.2020

**Trade name: Rislone® Fuel Injector Cleaner with Upper Cylinder Lubricant**

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See Section 13 for disposal information.

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Prevent formation of aerosols.  
Use only in well ventilated areas.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidising agents.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

### 95-63-6 1,2,4-trimethylbenzene

REL (USA)	Long-term value: 125 mg/m <sup>3</sup> , 25 ppm
TLV (USA)	Long-term value: 123 mg/m <sup>3</sup> , 25 ppm

- **DNELs:** No further relevant information available.
- **PNECs:** No further relevant information available.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes.  
Avoid close or long term contact with the skin.
- **Respiratory protection:**  
Not required under normal conditions of use.  
Use suitable respiratory protective device in case of insufficient ventilation.  
Use suitable respiratory protective device when aerosol or mist is formed.  
For spills, respiratory protection may be advisable.
- **Protection of hands:**



Protective gloves

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Eye protection:**



Safety glasses

- **Limitation and supervision of exposure into the environment:** No special requirements.
- **Risk management measures:** No special requirements.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **Appearance**

**Form:** Slightly viscous liquid

**Colour:** Yellowish-gold

- **Odour:** Petroleum-like

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

- **Melting point/Melting range:** Not determined.

- **Boiling point/Boiling range:** Not determined.

- **Flash point:** 102 °C (216 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Auto/Self-ignition temperature:** Not determined.

- **Decomposition temperature:** Not determined.

- **Self-igniting:** Product is not self-igniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits**

**Lower:** Not determined.

**Upper:** Not determined.

- **Oxidising properties** Not determined.

- **Vapour pressure:** Not determined.

- **Density at 20 °C (68 °F):** 0.853 g/cm<sup>3</sup> (7.118 lbs/gal)

- **Relative density:** Not determined.

- **Vapour density:** Not determined.

- **Evaporation rate:** Not determined.

- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity**

**Dynamic:** Not determined.

**Kinematic:** Not determined.

- **Other information** No further relevant information available.

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## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.
- **Possibility of hazardous reactions**  
Toxic fumes may be released if heated above the decomposition point.  
Reacts with strong acids and oxidising agents.
- **Conditions to avoid**  
Keep away from heat and direct sunlight.  
Store away from oxidising agents.
- **Incompatible materials** No further relevant information available.
- **Hazardous decomposition products**  
Carbon monoxide and carbon dioxide  
Hydrocarbons

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:** None.
- **Primary irritant effect**
- **Skin corrosion/irritation:** Slight irritant effect on skin and mucous membranes.
- **Serious eye damage/irritation:** Slight irritant effect on eyes.
- **Respiratory or skin sensitisation:** No sensitising effects known.

### IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

- **Probable routes of exposure:**  
Ingestion.  
Inhalation.  
Eye contact.  
Skin contact.
- **Acute effects (acute toxicity, irritation and corrosivity):**  
May be harmful if inhaled.  
May be harmful in contact with skin.
- **Repeated dose toxicity:** Repeated exposure may cause skin dryness or cracking.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

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## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

**732-26-3 Polyolefin alkyl**

LC50 | 0.061 mg/l (zebra fish)

- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **New Zealand HSNO Environmental Code(s)**  
 HSNO Class 9.1D =Harmful to aquatic life.  
 HSNO Class 9.2C =Harmful to the soil environment.  
 HSNO Class 9.3C =Harmful to terrestrial vertebrates.
- **Ecotoxicological effects:**
- **Remark:** Due to mechanical actions of the product (e.g. agglutinations), damages may occur.
- **Additional ecological information:**
- **General notes:**  
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
 Contact waste processors for recycling information.  
 Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Uncleaned packaging:**
- **Recommendation:**  
 Disposal must be made according to official regulations.  
 Packagings that may not be cleansed are to be disposed of in the same manner as the product.

## 14 Transport information

- **UN-Number**
- **DOT, ADG, IMDG, IATA** Not Regulated
- **UN proper shipping name**
- **DOT, ADG, IMDG, IATA** Not Regulated
- **Transport hazard class(es)**
- **DOT, ADG, IMDG, IATA**
- **Class** Not Regulated
- **Packing group**
- **DOT, ADG, IMDG, IATA** Not Regulated
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.

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- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· <b>Section 355 (extremely hazardous substances):</b>
None of the ingredients are listed.

· <b>Section 313 (Specific toxic chemical listings):</b>
None of the ingredients are listed.

· <b>TSCA (Toxic Substances Control Act):</b>
All ingredients are listed.

· <b>Carcinogenic Categories</b>
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· <b>IARC (International Agency for Research on Cancer)</b>
None of the ingredients are listed.

· <b>Australian Inventory of Chemical Substances</b>
All ingredients are listed.

· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b>	
TGA Schedule 5 poison (Hydrocarbon Liquids)	S5

· <b>HSNO Chemical Classification and Information Database (CCID)</b>	
1330-20-7	xylene
100-41-4	ethylbenzene

· <b>New Zealand Inventory of Chemicals (NZIOC)</b>
All ingredients are listed.

· <b>Chemical safety assessment</b>
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New Zealand

Group Standard Allocation and EPA Approval Code:

Fuel Additives (Subsidiary Hazard) Group Standard 2006

HSNO Approval-HSR002585

HSNO Control &amp; Classes: 6.1E, 9.1D, 9.2C, 9.3C Trigger quantities for this substance: Trigger Quantity

Approved Handler Not Required

Location Certificate Not Required

Tracking Trigger Quantities Not applicable

Signage Trigger Quantities 10 000L (9.1D)

Emergency Response Plan trigger Quantities 10 000L (9.1D)

- **Named dangerous substances - ANNEX I** None of the ingredients are listed.

· <b>Other regulations, limitations and prohibitive regulations</b>
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· <b>Substances of very high concern (SVHC) according to REACH, Article 57</b>
None of the ingredients are listed.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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**Relevant phrases**

- H226 Flammable liquid and vapour.
- H227 Combustible liquid.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H340 May cause genetic defects.
- H350 May cause cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.
- 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.

**Abbreviations and acronyms:**

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids, Hazard Category 3
- Flam. Liq. 4: Flammable liquids, Hazard Category 4
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Acute Tox. 5: Acute toxicity, Hazard Category 5
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
- Muta. 1B: Germ cell mutagenicity, Hazard Category 1B
- Carc. 1B: Carcinogenicity, Hazard Category 1B
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
- Aquatic Acute 3: Hazardous to the aquatic environment - AcuteHazard, Category 3
- Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

**Sources**

- Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu))
- Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do))
- Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://www.cas.org))
- Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
- Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.
- Safety Data Sheets, Individual Manufacturers

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