

Safety Data Sheet

according to JIS Z7253

Printing date: June 04, 2018

Revision: June 04, 2018

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Rislone® Fuel Injector Cleaner
- **Product code:** 61701
- **Application of the substance / the mixture:** Consumer product fuel cleaner
- **Uses advised against:** No further relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Rislone
P.O. Box 187
Holly, MI 48442 USA
Phone: (810) 603-1321
- **Emergency telephone number:**
ChemTel Inc.
(800)255-3924 (North America)
+1 (813)248-0585 (International)



2 Hazards identification

- **Classification of the substance or mixture**
The product is not classified as hazardous according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Not Regulated
- **Hazard pictograms** Not Regulated
- **Signal word** Not Regulated
- **Hazard-determining components of labelling:** None.
- **Hazard statements** Not Regulated.
- **Other hazards** There are no other hazards not otherwise classified that have been identified.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation:** Mixtures

- **Components:**

64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic ⚠ Carc. 1B, H350	90-100%
64742-47-8	Distillates (petroleum), hydrotreated light ⚠ Asp. Tox. 1, H304 Flam. Liq. 4, H227; Acute Tox. 5, H313	9-10%
64742-95-6	Solvent naphtha (petroleum), light arom. ⚠ Flam. Liq. 3, H226 ⚠ Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304 Acute Tox. 5, H313	0.1-1.0%
732-26-3	2,4,6-tri-tert-butylphenol	0.1-1%

(Cont'd. on page 2)

Safety Data Sheet

according to JIS Z7253

Printing date: June 04, 2018

Revision: June 04, 2018

Trade name: Rislone® Fuel Injector Cleaner

(Cont'd. from page 1)

	<ul style="list-style-type: none"> ☠ STOT RE 2, H373 ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ☠ Acute Tox. 4, H302 	
95-63-6	1,2,4-trimethylbenzene <ul style="list-style-type: none"> ☠ Flam. Liq. 3, H226 ☠ Aquatic Chronic 2, H411 ☠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335 ☠ Acute Tox. 5, H303 	0.1-1%

Additional information:

For the wording of the listed Hazard Statements refer to section 16.

Note L: The classification as a carcinogen need not apply if it can be shown that 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', Institute of Petroleum, London. This product meets these requirements.

Note P: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). This product meets that requirement.

4 First aid measures

Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Clean with water and soap.

If skin irritation is experienced, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· **Most important symptoms and effects, both acute and delayed**

Slight irritant effect on eyes.

Slight irritant effect on skin and mucous membranes.

Gastric or intestinal disorders when ingested.

Nausea in case of ingestion.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

Foam

Gaseous extinguishing agents

Fire-extinguishing powder

Carbon dioxide

· **For safety reasons unsuitable extinguishing agents:** Water

(Cont'd. on page 3)

Safety Data Sheet

according to JIS Z7253

Printing date: June 04, 2018

Revision: June 04, 2018

Trade name: Rislone® Fuel Injector Cleaner

(Cont'd. from page 2)

- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions**
Do not allow to enter sewers/ surface or ground water.
Prevent from spreading (e.g. by damming-in or oil barriers).
- **Methods and material for containment and cleaning up**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Remove from the water surface (e.g. skim or suck off).
Dispose contaminated material as waste according to section 13.
Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
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**
- **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

(Cont'd. on page 4)

Safety Data Sheet

according to JIS Z7253

Printing date: June 04, 2018

Revision: June 04, 2018

Trade name: Rislone® Fuel Injector Cleaner

(Cont'd. from page 3)

- **Control parameters**

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

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

OEL (Japan) Long-term value: 120 mg/m ³ , 25 ppm

- **Exposure controls**

- **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

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

- **Eye protection:**



Safety glasses

- **Body protection:**

Not required under normal conditions of use.

Protection may be required for spills.

- **Limitation and supervision of exposure into the environment:**

No further relevant information available.

- **Risk management measures:** No further relevant information available.

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/freezing point:	Not determined.
--------------------------------------	-----------------

(Cont'd. on page 5)

Safety Data Sheet

according to JIS Z7253

Printing date: June 04, 2018

Revision: June 04, 2018

Trade name: Rislone® Fuel Injector Cleaner

(Cont'd. from page 4)

· Initial boiling point and boiling range:	Not determined.
· Flash point:	102 °C
· Flammability (solid, gas):	Not applicable.
· Auto/Self-ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
· Oxidising properties	Not determined.
· Vapour pressure:	Not determined.
· Density:	
Relative density:	0.853
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.

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

(Cont'd. on page 6)

Safety Data Sheet

according to JIS Z7253

Printing date: June 04, 2018

Revision: June 04, 2018

Trade name: Rislone® Fuel Injector Cleaner

(Cont'd. from page 5)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **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.
Eye contact.
Skin contact.

- **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.

12 Ecological information

- **Toxicity**

· Aquatic toxicity:

732-26-3 2,4,6-tri-tert-butylphenol
--

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.
- **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**

(Cont'd. on page 7)

Safety Data Sheet

according to JIS Z7253

Printing date: June 04, 2018

Revision: June 04, 2018

Trade name: Rislone® Fuel Injector Cleaner

(Cont'd. from page 6)

- **Recommendation**

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.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **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, ADR, IMDG, IATA

Not Regulated

- **UN proper shipping name**

- DOT, ADR, IMDG, IATA

Not Regulated

- **Transport hazard class(es)**

- DOT, ADR, IMDG, IATA

- Class

Not Regulated

- **Packing group**

- DOT, ADR, IMDG, IATA

Not Regulated

- **Environmental hazards:**

- Marine pollutant:

No

- **Special precautions for user**

Not applicable.

- **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**

- **Chemical Substance Control Law**

- **Existing Chemical Substances**

64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	
64742-47-8	Distillates (petroleum), hydrotreated light	
64742-95-6	Solvent naphtha (petroleum), light arom.	
732-26-3	2,4,6-tri-tert-butylphenol	3-540
95-63-6	1,2,4-trimethylbenzene	3-3427

(Cont'd. on page 8)

Safety Data Sheet

according to JIS Z7253

Printing date: June 04, 2018

Revision: June 04, 2018

Trade name: Rislone® Fuel Injector Cleaner

(Cont'd. from page 7)

108-67-8	mesitylene	3-3427
103-65-1	propylbenzene	3-21
1330-20-7	xylene	3-60
98-82-8	cumene	3-22
526-73-8	1,2,3-trimethylbenzene	3-3427
64742-94-5	Solvent naphtha (petroleum), heavy arom.	
29190-28-1	1,3-Benzenediol, 2,4-bis[2-(dimethylphenyl)diazenyl]	
100-41-4	ethylbenzene	3-60

Specified Chemical Substances

732-26-3	2,4,6-tri-tert-butylphenol	第1種
----------	----------------------------	-----

Monitoring /Type II Monitoring (before amendment) /Type III Monitoring (before amendment) Chemical Substances

732-26-3	2,4,6-tri-tert-butylphenol	旧第三種監視化学物質
95-63-6	1,2,4-trimethylbenzene	旧第三種監視化学物質
108-67-8	mesitylene	旧第三種監視化学物質
1330-20-7	xylene	旧第三種監視化学物質
526-73-8	1,2,3-trimethylbenzene	旧第三種監視化学物質
100-41-4	ethylbenzene	旧第二種監視化学物質

Priority Assessment Chemical Substances

732-26-3	2,4,6-tri-tert-butylphenol
95-63-6	1,2,4-trimethylbenzene
108-67-8	mesitylene
1330-20-7	xylene
98-82-8	cumene
526-73-8	1,2,3-trimethylbenzene
100-41-4	ethylbenzene

Chemical Substances Relating to a Public Notice Pursuant to The Provisions of Paragraph 4 of Article 4 of the Former Act

None of the ingredients are listed.

Biodegradation and Bioconcentration of Existing Chemical Substances

732-26-3	2,4,6-tri-tert-butylphenol
95-63-6	1,2,4-trimethylbenzene
108-67-8	mesitylene
1330-20-7	xylene
98-82-8	cumene
526-73-8	1,2,3-trimethylbenzene
100-41-4	ethylbenzene

Toxicity Tests Results

95-63-6	1,2,4-trimethylbenzene
526-73-8	1,2,3-trimethylbenzene

PRTR Class 1 designated substances

(Cont'd. on page 9)

Safety Data Sheet

according to JIS Z7253

Printing date: June 04, 2018

Revision: June 04, 2018

Trade name: Rislone® Fuel Injector Cleaner

(Cont'd. from page 8)

None of the ingredients are listed.

· PRTR Class 2 designated substances

None of the ingredients are listed.

· Poisonous and Deleterious Substances Control Act - Deleterious Substances

1330-20-7 | xylene

· Poisonous and Deleterious Substances Control Act - Poisonous Substances

None of the ingredients are listed.

· Poisonous and Deleterious Substances Control Act - Specified Poisonous Substances

None of the ingredients are listed.

**· Industrial Safety and Health Act
· Dangerous substances**
· Explosive substances (Enforcement Ordinance Appendix 1 No. 1)

None of the ingredients are listed.

· Combustible substances (Enforcement Ordinance Appendix 1 No. 2)

None of the ingredients are listed.

· Oxidizing substances (Enforcement Ordinance Appendix 1 No. 3)

None of the ingredients are listed.

· Inflammable substances (Enforcement Ordinance Appendix 1 No. 4)

1330-20-7 | xylene

· Combustible gases (Enforcement Ordinance Appendix 1 No. 5)

None of the ingredients are listed.

· Specified Chemical Substances
· Group-1 substances

None of the ingredients are listed.

· Group-2 substances

100-41-4 | ethylbenzene

· Group-3 substances

None of the ingredients are listed.

· Hazardous Materials Requiring Notification (Appendix 9)

64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic

168

64742-47-8 | Distillates (petroleum), hydrotreated light

551

· Manufacturing licence-substances

None of the ingredients are listed.

· Ordinance on Prevention of Lead Poisoning (Enforcement Ordinance Appendix 4)

None of the ingredients are listed.

· Ordinance on Prevention of Tetraalkyl Lead Poisoning (Enforcement Ordinance Appendix 5)

None of the ingredients are listed.

· Organic Solvent Poisoning Prevention Regulations (Enforcement Ordinance Appendix 6-2)
· First-class organic solvents, etc.

None of the ingredients are listed.

(Cont'd. on page 10)

Safety Data Sheet

according to JIS Z7253

Printing date: June 04, 2018

Revision: June 04, 2018

Trade name: Rislone® Fuel Injector Cleaner

(Cont'd. from page 9)

· **Second-class organic solvents, etc.**

1330-20-7	xylene
-----------	--------

· **Third-class organic solvents, etc.**

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.

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxic

vPvB: very Persistent and very Bioaccumulative

PRTR: Law concerning Pollutant Release and Transfer Register

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 5: Acute toxicity – Category 5

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Muta. 1B: Germ cell mutagenicity – Category 1B

Carc. 1B: Carcinogenicity – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (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., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: www.chemtelinc.com