

Safety Data Sheet

according to JIS Z7253

Revision: April 06, 2020

1 Identification

- **Product identifier**
- **Trade name: Rislone Diesel Additive - Left Side**
- **Product code:** 61740
- **Application of the substance / the mixture** Treatment for diesel fuel.
- **Uses advised against** No 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 Hazard(s) identification

- **Classification of the substance or mixture**
Flam. Liq. 4 H227 Combustible liquid.
Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
Aquatic Acute 3 H402 Harmful to aquatic life.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**

GHS08 GHS09
- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Distillates (petroleum), hydro-treated light
Naphthalene
Solvent naphtha (petroleum), heavy arom.
Solvent naphtha (petroleum), light arom.
- **Hazard statements:**
H227 Combustible liquid.
H351 Suspected of causing cancer. Route of exposure: Inhalation.
H304 May be fatal if swallowed and enters airways.
H402 Harmful to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements:**
P201 Obtain special instructions before use.

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















P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from flames and hot surfaces. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331	Do NOT induce vomiting.
P308+P313	If exposed or concerned: Get medical advice/attention.
P370+P378	In case of fire: Use to extinguish: CO2, powder or water spray.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- **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 characterization: Mixtures**

- **Components:**

64742-47-8	Distillates (petroleum), hydro-treated light  Asp. Tox. 1, H304  Flam. Liq. 4, H227	60-80%
27247-96-7	2-Ethylhexyl Nitrate  Aquatic Chronic 2, H411  Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332  Flam. Liq. 4, H227	<10%
64742-94-5	Solvent naphtha (petroleum), heavy arom.  Asp. Tox. 1, H304  Aquatic Chronic 2, H411  Skin Irrit. 2, H315; STOT SE 3, H336  Flam. Liq. 4, H227	<10%
64742-95-6	Solvent naphtha (petroleum), light arom.  Flam. Liq. 3, H226  Asp. Tox. 1, H304	<5%
95-63-6	1,2,4-trimethylbenzene  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Aquatic Chronic 2, H411  Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Aquatic Acute 2, H401	<2.5%
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic  Asp. Tox. 1, H304	<2.5%
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic  Asp. Tox. 1, H304	<2.5%

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91-20-3	Naphthalene	<2.5%
	<ul style="list-style-type: none"> ⚠ Flam. Sol. 2, H228 ⚠ Carc. 2, H351 ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ⚠ Acute Tox. 4, H302 	
104-76-7	2-Ethyl-1-hexanol	<1%
	<ul style="list-style-type: none"> ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335 ⚠ Flam. Liq. 4, H227; Aquatic Acute 3, H402 	

· **Additional information:** For the wording of the listed Hazard Statements, refer to section 16.

4 First-aid measures

· Description of first aid measures

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

· After skin contact:

Immediately remove any clothing soiled by the product.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation is experienced, consult a doctor.

· After eye contact:

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; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

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

Breathing difficulty

Coughing

· Danger:

Danger of impaired breathing.

May be fatal if swallowed and enters airways.

May cause cancer. Route of exposure: Inhalation.

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

If swallowed or in case of vomiting, danger of entering the lungs.

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

Later observation for pneumonia and pulmonary edema.

If medical advice is needed, have product container or label at hand.

5 Fire-fighting measures

· Extinguishing media

· Suitable extinguishing agents:

Foam

Carbon dioxide

Fire-extinguishing powder

Gaseous extinguishing agents

Water fog / haze

· For safety reasons unsuitable extinguishing agents: Water stream.

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- **Special hazards arising from the substance or mixture** No relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information:** Eliminate all ignition sources if safe to do so.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Keep away from ignition sources.
Protect from heat.
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.
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up**
Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
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:**
Avoid splashes or spray in enclosed areas.
Use only in well ventilated areas.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Flammable gas-air mixtures may be formed in empty containers/receptacles.
Flammable liquid and vapor.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
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 oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No relevant information available.

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8 Exposure controls/personal protection

· Control parameters

· Components with limit values that require monitoring at the workplace:

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

OEL (Japan) | Long-term value: 120 mg/m³, 25 ppm

104-76-7 2-Ethyl-1-hexanol

OEL (Japan) | Long-term value: 5.3 mg/m³, 1 ppm

· Exposure controls

· General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· Breathing equipment: Suitable respiratory protective device recommended.

· Protection of hands:



Protective gloves

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

· Eye protection:



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

· Body protection: Protective work clothing

· Limitation and supervision of exposure into the environment

No relevant information available.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

Form: Liquid

Color: Clear to light yellow.

· Odor: Mineral-oil-like

· Odor threshold: Not determined.

· pH-value: Not determined.

· Melting point/Melting range: Not determined.

· Boiling point/Boiling range: Not determined.

· Flash point: 64 °C

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· Flammability (solid, gaseous):	Flammable.
· Auto-ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
· Oxidizing properties:	Non-oxidizing.
· Vapor pressure:	Not determined.
· Density:	
Relative density:	Not determined.
Vapor 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 relevant information available.

10 Stability and reactivity

- **Reactivity:** No 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.
- **Possibility of hazardous reactions**
Flammable liquid and vapor.
Used empty containers may contain product gases which form explosive mixtures with air.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
- **Conditions to avoid** Keep ignition sources away - Do not smoke.
- **Incompatible materials** Oxidizing agents.
- **Hazardous decomposition products** Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:** None.

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- **Primary irritant effect:**
- **On the skin:** Based on available data, the classification criteria are not met.
- **On the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.

· **IARC (International Agency for Research on Cancer):**

91-20-3	Naphthalene
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· **Probable route(s) of exposure:**

Ingestion.
Inhalation.
Eye contact.
Skin contact.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Suspected of causing cancer. Route of exposure: Inhalation.
- **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.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity**
Toxic to aquatic life with long lasting effects.

27247-96-7 2-Ethylhexyl Nitrate

LC50	2 mg/l (zebra fish) (96hr)
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64742-94-5 Solvent naphtha (petroleum), heavy arom.

LC50	3.6 mg/l (Oncorhynchus mykiss)
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91-20-3 Naphthalene

LC50	1-10 mg/l (daphnia)
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- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No relevant information available.

13 Disposal considerations

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- **Waste treatment methods**

- **Recommendation:**

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. Residual materials should be treated as hazardous.

- **Uncleaned packagings**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT**

NA1993

- **ADR/RID/ADN, IMDG, IATA**

UN3082

- **UN proper shipping name**

- **DOT**

Combustible liquid, n.o.s. (1,2,4-trimethylbenzene, Naphthalene, crude)

- **ADR/RID/ADN**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Ethylhexyl Nitrate, 1,2,4-trimethylbenzene)

- **IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,2,4-trimethylbenzene, 2-Ethylhexyl Nitrate)

- **IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,2,4-trimethylbenzene, 2-Ethylhexyl Nitrate)

- **Transport hazard class(es)**

- **DOT**



- **Class**

3

- **Label**

3

- **ADR/RID/ADN**



- **Class**

9 (M6)

- **Label**

9

- **IMDG, IATA**



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· Class	9
· Label	9
· Packing group	
· DOT, ADR/RID/ADN, IMDG, IATA	III
· Environmental hazards	
· Marine pollutant:	Symbol (fish and tree)
· Special precautions for user	Warning: Miscellaneous dangerous substances and articles
· Hazard identification number (Kemler code):	90
· EMS Number:	F-E,S-E
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not regulated when carried in single or combination packaging containing a net quantity of 5 L or less for liquids or 5 kg or less for solids per the following: DOT: 171.4(c)(2) ADR: SP 375 IMDG: 2.10.2.7 IATA: special provision A197
· DOT	Classified as combustible under US DOT regulations. Labeling is only required for single packages \geq 119 US gal / 450 L.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Chemical Substance Control Law**

· **Existing Chemical Substances**

64742-47-8	Distillates (petroleum), hydro-treated light	
27247-96-7	2-Ethylhexyl Nitrate	2-3598
64742-94-5	Solvent naphtha (petroleum), heavy arom.	
64742-95-6	Solvent naphtha (petroleum), light arom.	
95-63-6	1,2,4-trimethylbenzene	3-7, 3-3427
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic	
91-20-3	Naphthalene	4-311
104-76-7	2-Ethyl-1-hexanol	2-217
64742-94-5	Solvent naphtha (petroleum), heavy arom.	

· **Specified Chemical Substances**

None of the ingredients are listed.

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

95-63-6	1,2,4-trimethylbenzene	旧第三種監視化学物質
91-20-3	Naphthalene	旧第二種監視化学物質

· Priority Assessment Chemical Substances

95-63-6	1,2,4-trimethylbenzene
91-20-3	Naphthalene

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

27247-96-7	2-Ethylhexyl Nitrate
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· Biodegradation and Bioconcentration of Existing Chemical Substances

95-63-6	1,2,4-trimethylbenzene
91-20-3	Naphthalene
104-76-7	2-Ethyl-1-hexanol

· Toxicity Tests Results

95-63-6	1,2,4-trimethylbenzene
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· PRTR Class 1 designated substances

95-63-6	1,2,4-trimethylbenzene	296
91-20-3	Naphthalene	302

· PRTR Class 2 designated substances

None of the ingredients are listed.

· Poisonous and Deleterious Substances Control Act - Deleterious Substances

None of the ingredients are listed.

· 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)

None of the ingredients are listed.

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

None of the ingredients are listed.

· Specified Chemical Substances
· Group-1 substances

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None of the ingredients are listed.

· **Group-2 substances**

91-20-3 Naphthalene

· **Group-3 substances**

None of the ingredients are listed.

· **Hazardous Materials Requiring Notification (Appendix 9)**

64742-47-8	Distillates (petroleum), hydro-treated light	551
64742-95-6	Solvent naphtha (petroleum), light arom.	330
95-63-6	1,2,4-trimethylbenzene	404
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	168
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic	168
91-20-3	Naphthalene	408

· **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.

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

None of the ingredients are listed.

· **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

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 4: Acute toxicity - oral – Category 4

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Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
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/sorinternet/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

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