according to JIS Z7253

RISLONE

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1 Identification

· Product identifier

- Trade name: Rislone® Diesel Additive Right Side
- · Product code: 61740
- · Application of the substance / the mixture Treatment for diesel fuel.
- \cdot 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. 3	H226	Flammable liquid and vapour.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2A	H319	Causes serious eye irritation.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Acute 3	H402	Harmful to aquatic life.
Aquatic Chronic 3	H412	Harmful 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:**



Signal word: Danger
Hazard-determining components of labeling: Distillates (petroleum), hydro-treated light Hydrocarbons,C9,aromatics Solvent naphtha (petroleum), heavy arom. 1,2,4-trimethylbenzene Xylene
Hazard statements: H226 Flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H304 May be fatal if swallowed and enters airways. H412 Harmful to aquatic life with long lasting effects.

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(Cont'd. from page 1) · Precautionary statements: P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. Ground/bond container and receiving equipment. P240 P241 Use explosion-proof electrical/ventilating/lighting equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P264 Wash thoroughly after handling. P273 Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. P280 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P301+P310 P331 Do NOT induce vomiting. Specific treatment (see on this label). P321 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take off contaminated clothing and wash it before reuse. P362+P364 If skin irritation occurs: Get medical advice/attention. P332+P313 If eve irritation persists: Get medical advice/attention. P337+P313 P370+P378 In case of fire: Use to extinguish: CO2, powder or water spray. Store in a well-ventilated place. Keep cool. P403+P235 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	60-80%
	Asp. Tox. 1, H304 Flam. Liq. 4, H227	
	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2,	10-<20%
	H315; Eye Irrit. 2, H319 Flam. Liq. 4, H227	
64742-95-6	Hydrocarbons,C9,aromatics Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336 Aquatic Acute 2, H401	<10%
112-80-1	oleic acid, pure	<2.5%

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	from page 2)
Eye Irrit. 2B, H320	
64742-94-5 Solvent naphtha (petroleum), heavy arom.	<2.5%
🚸 Asp. Tox. 1, H304	
Aquatic Chronic 2, H411	
Skin Irrit. 2, H315; STOT SE 3, H336	
Flam. Liq. 4, H227	
95-63-6 1,2,4-trimethylbenzene	<2.5%
Flam. Liq. 3, H226	
Aquatic Chronic 2, H411	
Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
Aquatic Acute 2, H401	
108-67-8 mesitylene	<2.5%
Flam. Lig. 3, H226	
Aquatic Chronic 2, H411	
🚯 STOT SE 3, H335	
1330-20-7 Xylene	<1%
📀 Flam. Liq. 3, H226	
🚯 Asp. Tox. 1, H304	
Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A,	
H319; STOT SE 3, H335	
Aquatic Acute 3, H402; Aquatic Chronic 3, H412	.40/
91-20-3 Naphthalene	<1%
 Flam. Sol. 2, H228 Carc. 2, H351 	
Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
Acute Tox. 4, H302	
• 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.	
Provide oxygen treatment if affected person has difficulty breathing.	
If experiencing respiratory symptoms: Call a poison center/doctor.	
· 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.
Wash with soap and water.	
If skin irritation continues, consult a doctor.	
· After eye contact:	
Remove contact lenses if worn.	
Rinse opened eye for several minutes under running water. Then 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:	
most important symptoms and cheets, both deute and delayed.	(Cont'd. on page 4)

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Breathing difficulty Dizziness Coughing Causes eye irritation. Causes skin irritation. • Danger: Danger of impaired breathing. May be fatal if swallowed and enters airways. • 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.
Special hazards arising from the substance or mixture Flammable liquid and vapor.
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

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.

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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.

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.

8 Exposure controls/personal protection

· Control parameters

Components with limit values that required	uire monitoring at the workplace:

111-76-2 2-butoxyethanol

OEL (Japan) Ceiling limit: 97 mg/m³, 20 ppm

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

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

108-67-8 mesitylene

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

1330-20-7 Xylene

OEL (Japan) Long-term value: 217 mg/m³, 50 ppm

· Ingredients with biological limit values:

- 111-76-2 2-butoxyethanol
- OEL-B (Japan) 200 mg/g Cr
 - 試料: urine
 - 試料採取時期: end of shift
 - 物 質: Butoxyacetic acid

1330-20-7 Xylene

OEL-B (Japan) 800 mg/l

(Cont'd. on page 6)

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		(Cont'd. from
	試 料: urine 試料採取時期: End of shift at end of work week 物 質: total (o-, m-, p-)methylhippuric acid	
Γhe usual μ (eep away Wash hand Do not inha Avoid conta	otective and hygienic measures: recautionary measures for handling chemicals should be followed. from foodstuffs, beverages and feed. s before breaks and at the end of work. le gases / fumes / aerosols. ict with the eyes and skin. equipment: Suitable respiratory protective device recommended.	
Pro	otective gloves	
The glove n E ye protec	naterial has to be impermeable and resistant to the product. tion:	
Sa	fety glasses	
Body prote	vant national guidelines concerning the use of protective eyewear. Action: Protective work clothing A and supervision of exposure into the environment information available.	

 Information on basic physical Appearance: 	F F F
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:	62 °C
• Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Danger of explosion:	Product is not explosive. However, formation of explosive a vapor mixtures are possible.

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		(Cont'd. from page
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-octano	I/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.
- · Primary irritant effect:
- \cdot On the skin: Irritant to skin and mucous membranes.
- On the eye: Causes eye irritation.

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

· IARC (International Agency for Research on Cancer):

98-82-8 Cumene

91-20-3 Naphthalene

· Probable route(s) of exposure:

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2B

2B

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according to JIS Z7253 Trade name: Rislone® Diesel Additive - Right Side (Cont'd. from page 7) 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 Harmful to aquatic life with long lasting effects. 64742-94-5 Solvent naphtha (petroleum), heavy arom. LC50 3.6 mg/l (Oncorhynchus mykiss) 91-20-3 Naphthalene LC50 1-10 mg/l (daphnia) · Persistence and degradability No relevant information available. · Bioaccumulative potential: No relevant information available. · Mobility in soil: No relevant information available. 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 · 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

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UN-Number DOT ADR/RID/ADN, IMDG, IATA	NA1993 UN1268
UN proper shipping name DOT ADR/RID/ADN, IMDG	Combustible liquid, n.o.s. (Distillates (petroleur hydro- treated light, 2-butoxyethanol) PETROLEUM DISTILLATES, N.O.S. Petroleum distillates, n.o.s.
Transport hazard class(es)	Petroleum distillates. n.o.s.
DOT	
Class Label	3 3
ADR/RID/ADN	
Class Label	3 (F1) 3
IMDG, IATA	
Class Label	3 3
Packing group DOT, ADR/RID/ADN, IMDG, IATA	III
Environmental hazards Marine pollutant:	No
Special precautions for user Hazard identification number (Kemler code): EMS Number:	Warning: Flammable liquids 30 F-E,S-E
Transport in bulk according to Annex II or MARPOL73/78 and the IBC Code	f Not applicable.
Transport/Additional information:	
DOT	Classified as combustible under US DOT regulatio Labeling is only required for single packages ≥119 gal / 450 L.

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15 Regulatory information

Cnemical	ealth and environmental regulations/legislation spec Substance Control Law	ific for the substance
	Chemical Substances	
-	8 Distillates (petroleum), hydro-treated light	
111-76-	2 2-butoxyethanol	2-407, 2-2424, 7-
64742-95-	6 Hydrocarbons,C9,aromatics	
	1 oleic acid, pure	2-609, 2-975
64742-94-	5 Solvent naphtha (petroleum), heavy arom.	
95-63-	6 1,2,4-trimethylbenzene	3-7, 3-3427
108-67-	8 mesitylene	3-7, 3-3427
1330-20-	7 Xylene	3-3, 3-60
25551-13-	7 trimethylbenzene	3-7, 3-3427
	8 Cumene	3-22
91-20-	3 Naphthalene	4-311
Specified	Chemical Substances	
None of th	e ingredients are listed.	
	,2,4-trimethylbenzene aphthalene	旧第三種監視化学物 旧第二種監視化学物
	ssessment Chemical Substances	
-	2 2-butoxyethanol	
	6 1,2,4-trimethylbenzene	
	8 mesitylene	
1330-20-		
	7 trimethylbenzene	
	8 Cumene	
98-82-	3 Naphthalene	
91-20- Chemical	Substances Relating to a Public Notice Pursuant to The Pu f the Former Act	rovisions of Paragraph
91-20- Chemical Article 4 o	Substances Relating to a Public Notice Pursuant to The P	rovisions of Paragraph
91-20- Chemical Article 4 c None of th	Substances Relating to a Public Notice Pursuant to The Pu f the Former Act	
91-20- Chemical Article 4 o None of th Biodegrad	Substances Relating to a Public Notice Pursuant to The Pu f the Former Act e ingredients are listed.	
91-20- Chemical Article 4 o None of th Biodegrad 111-76-2	Substances Relating to a Public Notice Pursuant to The Pu of the Former Act e ingredients are listed. Jation and Bioconcentration of Existing Chemical Substances	
91-20- Chemical Article 4 o None of th Biodegrad 111-76-2 112-80-1	Substances Relating to a Public Notice Pursuant to The Pu f the Former Act e ingredients are listed. Jation and Bioconcentration of Existing Chemical Substances 2-butoxyethanol	
91-20- Chemical Article 4 of None of th Biodegrad 111-76-2 112-80-1 95-63-6	Substances Relating to a Public Notice Pursuant to The Pr of the Former Act e ingredients are listed. Iation and Bioconcentration of Existing Chemical Substances 2-butoxyethanol oleic acid, pure	
91-20- Chemical Article 4 of None of th Biodegrad 111-76-2 112-80-1 95-63-6	Substances Relating to a Public Notice Pursuant to The Profession of the Former Act e ingredients are listed. dation and Bioconcentration of Existing Chemical Substances 2-butoxyethanol oleic acid, pure 1,2,4-trimethylbenzene mesitylene	

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		ont'd. from page
	Naphthalene	
· Toxicity Te		
95-63-6 1,2	,4-trimethylbenzene	
	s 1 designated substances	
	2,4-trimethylbenzene	29
108-67-8 m	esitylene	29
· PRTR Class	3 2 designated substances	
None of the	ingredients are listed.	
· Poisonous	and Deleterious Substances Control Act - Deleterious Substances	
1330-20-7	Kylene Company State Stat	
Poisonous	and Deleterious Substances Control Act - Poisonous Substances	
None of the	ingredients are listed.	
· Poisonous	and Deleterious Substances Control Act - Specified Poisonous Substan	ces
	ingredients are listed.	
	afety and Health Act	
-	substances	
•	ubstances (Enforcement Ordinance Appendix 1 No. 1)	
None of the	ingredients are listed.	
	e substances (Enforcement Ordinance Appendix 1 No. 2)	
None of the	ingredients are listed.	
· Oxidizing s	ubstances (Enforcement Ordinance Appendix 1 No. 3)	
None of the	ingredients are listed.	
· Inflammabl	e substances (Enforcement Ordinance Appendix 1 No. 4)	
1330-20-7	Kylene Contraction of the second s	
Combustib	e gases (Enforcement Ordinance Appendix 1 No. 5)	
None of the	ingredients are listed.	
· Specified C	hemical Substances	
· Group-1 su	bstances	
None of the	ingredients are listed.	
· Group-2 su	bstances	
91-20-3 Na	phthalene	
· Group-3 su	bstances	
None of the	ingredients are listed.	
·Hazardous	Materials Requiring Notification (Appendix 9)	
	Distillates (petroleum), hydro-treated light	55
111-76-2	2-butoxyethanol	79
	Hydrocarbons,C9,aromatics	33
	1,2,4-trimethylbenzene	40
	mesitylene	40
1330-20-7		13
98-82-8	Cumene	(Cont'd. on page

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Manufacturing licence-substances

None of the ingredients are listed.

91-20-3 Naphthalene

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.

111-76-2 2-butoxyethanol

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: Persistant, 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 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 Eye Irrit. 2B: Serious eye damage/eye irritation - Category 2B 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 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 Sources

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

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(Cont'd. from page 12) 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.

Tampa, Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com