According to OSHA HCS (29CFR 1910.1200)

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1 Identification

Product Identifier

Trade Name: Rislone Diesel Additive- Right Side

Product Code: 4740

Recommended use and restriction on use Recommended use: Treatment for diesel fuel

Restrictions on use: 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

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Dermal	Category 4
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Aspiration hazard	Category 1
Flammable liquids	Category 4

Hazards not otherwise classified (HNOC)

Not applicable

Label Elements

Danger

Hazard statements

Harmful in contact with skin

May cause genetic defects

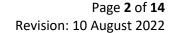
May cause cancer

May be fatal if swallowed and enters airways

Combustible liquid

According to OSHA HCS (29CFR 1910.1200)

Trade Name: Rislone Diesel Additive- Right Side





Appearance: Amber Physical State: Liquid Odor: Petroleum distillates

Precautionary Statements- Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Keep away from flames and hot surfaces- No smoking

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements- Response

IF exposed or concerned: Get medical advice/attention IF ON SKIN: Wash with plenty of water and soap Call a POISON CENTER or doctor if you feel unwell

Take off contaminated clothing and wash it before reuse

IF SWALLOWED: Immediately call a POISON CENTER or doctor

Do NOT induce vomiting

In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements- Storage

Store locked up

Store in a well-ventilated place. Keep cool

Precautionary Statements- Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

May be harmful if swallowed Causes mild skin irritation

Toxic to aquatic life with long lasting effects

Toxic to aquatic life

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

0% of the mixture consists of ingredient(s) of unknown acute oral toxicity

0% of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3 Composition/information on Ingredients

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Trade Name: Rislone Diesel Additive- Right Side

Substance

Not applicable

Mixture

Chemical name	CAS No.	Weight-%	Trade Secret
Paraffinic, naphthenic solvent	64742-47-8	70-90	*
2-Butoxyethanol	111-76-2	1-5	*
Naphtha (petroleum), heavy aromatic	64742-94-5	1-5	*
Aromatic solvent	64742-95-6	1-5	*

^{*}The exact percentage (concentration) of composition has been withheld as a trade secret.

4 First-aid Measures

Description of first ai	d measures
-------------------------	------------

General advice IF exposed or concerned: Get medical advice/attention. Immediate medical attention is

required. Show this safety data sheet to the doctor in attendance.

Inhalation Aspiration into lungs can produce severe lung damage. If breathing has stopped, give

artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed

pulmonary edema may occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if

present and easy to do. Continue rinsing.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. If symptoms persist, call a physician.

Ingestion ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE

DAMAGE. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical

advice/attention.

Self-protection of the first aider

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth

resuscitation. Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms: Difficulty in breathing. Coughing and/or wheezing. Dizziness. Prolonged contact may

cause redness and irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Because of the danger of aspiration, emesis or gastric lavage should not be employed

unless the risk is justified by the presence of additional toxic substances.

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5 Fire-fighting measures

Suitable extinguishing media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant

foam.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from

the chemical

Keep product and empty container away from heat and sources of

ignition. In the event of fire, cool tanks with water spray.

Explosion data

Sensitivity to mechanical impact: None Sensitivity to static discharge: Yes

Special protective equipment for fire-fighters: Firefighters should wear self-contained breathing apparatus

and full firefighting turnout gear. Use personal protection equipment.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. See section 8 for more information. Take

precautionary measures against static discharges. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Ensure adequate

ventilation. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

Methods and materials for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled

material. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up

with inert absorbent material. Pick up and transfer to properly labeled

containers.

7 Handling and storage

Precautions for safe handling

Advice on safe handling Use personal protection equipment. Do not breathe vapor or mist. Keep away

from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Handle in accordance with good industrial

hygiene and safety practice. Avoid contact with skin, eyes or clothing.

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Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot

lights, electric motors and static electricity). Keep in properly labeled

containers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

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Store away from other materials.

8 Exposure Controls/Personal Protection

Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off

level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents

have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol	TWA: 20 ppm	TWA: 50 ppm	IDLH: 700 ppm
111-76-2		TWA: 240 mg/m ³	TWA: 5 ppm
		(vacated) TWA: 25 ppm	TWA: 24 mg/m ³
		(vacated) TWA: 120 mg/m ³	
		(vacated) S*	
		` S* [′]	
Naphthalene	TWA: 10 ppm	TWA:10 ppm	IDLH: 250 ppm
91-20-3	S* TWA: 50 mg/m ³		TWA: 10 ppm
		(vacated) TWA: 10 ppm	TWA: 50 mg/m3
		(vacated) TWA: 50 mg/m³	STEL: 15 ppm
		(vacated) STEL: 15 ppm	STEL: 75 mg/m3
		(vacated) STEL: 75 mg/m ³	_

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles

Hand protection Wear suitable gloves

Skin and body protection Long sleeved clothing. Wear suitable protective clothing.

Respiratory protectionNo protective equipment is needed under normal use conditions. If

exposure limits are exceeded or irritation is experienced, ventilation

and evacuation may be required.

General hygiene considerations Contaminated work clothing should not be allowed out of the

workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling

the product.

According to OSHA HCS (29CFR 1910.1200)

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9 Physical and Chemical Properties

Information on basic physical and chemical properties

Physical stateLiquidAppearanceAmber LiquidColorAmber

OdorPetroleum distillatesOdor thresholdNo information available

<u>Property</u>	<u>Values</u>	Remarks •Method
рН	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	62°C / 143.6°F	
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.80 - 0.83	
Water solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other information

Explosive properties

Oxidizing properties

No information available
VOC Content (%)

Liquid Density

No information available
No information available
No information available

According to OSHA HCS (29CFR 1910.1200)

Trade Name: Rislone Diesel Additive- Right Side

10 Stability and Reactivity

Reactivity No information available

Chemical stability Stable under normal conditions

Possibility of hazardous reactions None under normal processing

Conditions to avoid Heat, flames and sparks

Incompatible materials

None known based on information supplied

Hazardous decomposition products
None known based on information supplied

11 Toxicological Information

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. Aspiration into lungs

can produce severe lung damage. May cause pulmonary edema. Pulmonary edema

can be fatal. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. May cause irritation.

Skin contact Repeated exposure may cause skin dryness or cracking. May be absorbed through

the skin in harmful amounts. Specific test data for the substance or mixture is not available. Harmful in contact with skin. (based on components). Causes mild skin

irritation.

Ingestion Specific test data for the substance or mixture is not available. Potential for aspiration

if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary

edema and pneumonitis. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Prolonged contact

may cause redness and irritation.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 3,451.20 mg/kg
ATEmix (dermal) 1,978.20 mg/kg
ATEmix (inhalation-dust/mix) 30.00 mg/l
ATEmix (inhalation-vapor) 43.498 mg/l

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Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

0% of the mixture consists of ingredient(s) of unknown acute oral toxicity

0% of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Paraffinic, naphthenic solvent 64742-47-8	>5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>5.2 mg/L (Rat) 4 h
2-Butoxyethanol 111-76-2	=470 mg/kg (Rat)	=99 mg/kg (Rabbit)	=450 ppm (Rat) h4
Naphtha (petroleum), heavy aromatic 64742-94-5	>5000 mg/kg (Rat)	>2 mL/kg (Rabbit)	>590 mg/m³ (Rat) 4 h
Aromatic solvent 64742-95-6	=8400 mg/kg (Rat)	>2000 mg/kg (Rabbit)	=3400 ppm (Rat) 4 h
Naphthalene 91-20-3	=1110 mg/kg (Rat)	=1120 mg/kg (Rabbit) >20 g/kg (Rabbit)	>340 mg/m³ (Rat) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. May cause skin

irritation

Serious eye damage/eye irritation No information available

Respiratory or skin sensitization
No information available

Germ cell mutagenicity Classification based on data available for ingredients. Contains a known

or suspected mutagen.

Carcinogenicity Classification based on data available for ingredients

The table below indicates whether each agency has listed any ingredient as a carcinogen.

		, ,	<u> </u>	
Chemical name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3	-	-
Naphthalene 91-20-3	A3	Group 2B	Reasonably Anticipated	X

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Trade Name: Rislone Diesel Additive- Right Side

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity

No information available

STOT - single exposure No information available

STOT - repeated exposure No information available

Target organ effects Liver, kidney, Respiratory system, Eyes, Skin, Central

nervous system, blood, Hematopoietic Systems

Aspiration hazard May be fatal if swallowed and enters airways

Other adverse effects No information available

Interactive effects None

12 Ecological Information

Ecotoxicity Toxic to aquatic life with long lasting effects. Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Paraffinic, naphthenic solvent 64742-47-8	-	LC50: =45mg/L (96h, Pimephales promelas) LC50: =2.2mg/L (96h, Lepomis macrochirus) LC50: =2.4mg/L (96h, Oncorhynchus mykiss)	-	-
2-Butoxyethanol 111-76-2	-	LC50: 1490mg/L (96h, Lepomis macrochirus) LC50: =2950mg/L (96h, Lepomis macrochirus)	-	EC50: >1000mg/L (48h, Daphnia magna)

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Naphtha (petroleum), heavy aromatic 64742-94-5	-	LC50: =19mg/L (96h, Pimephales promelas) LC50: =2.34mg/L (96h, Oncorhynchus mykiss) LC50: =1740 mg/L (96h, Lepomis macrochirus) LC50: =45mg/L (96h, Pimephales promelas) LC50: =41mg/L (96h, Pimephales promelas)	-	EC50: =0.95mg/L (48h, Daphnia magna)
Aromatic solvent 64742-95-6	-	LC50: =9.22mg/L (96h, Oncorhynchus mykiss)	-	EC50: =6.14mg/L (48h, Daphnia magna)
Naphthalene 91-20-3	-	LC50: 5.74-6.44mg/L (96h, Pimephales promelas) LC50: =1.6mg/L (96h, Oncorhynchus mykiss) LC50: 0.91-2.82mg/L (96h, Oncorhynchus mykiss) LC50: =1.99mg/L (96h, Pimephales promelas) LC50: =31.0265mg/L (96h, Lepomis macrochirus)	EC50= 0.96mg/L 30min EC50>20mg/L 18h	LC50: =2.16mg/L (48h, Daphnia magna) EC50: =1.96mg/L (48h, Daphnia magna) EC50: 1.09-3.4mg/L (48h, Daphnia magna)

Persistence and degradability No information available

Bioaccumulation There is no data for this product

Component Information

Chemical name	Partition coefficient
2-Butoxyethanol	0.81
111-76-2	
Naphtha (petroleum), heavy aromatic	6.1
64742-94-5	
Naphthalene	3.3
91-20-3	

Other adverse effects No information available

13 Disposal Considerations

Waste treatment method	sk
------------------------	----

products

Waste from residues/unused

Dispose of in accordance with local regulations. Dispose of waste in

accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

US EPA Waste Number Not applicable.

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According to OSHA HCS (29CFR 1910.1200)

Trade Name: Rislone Diesel Additive- Right Side

Chemical name	RCRA	RCRA- Basis for Li	sting	RCRA- D Series Wastes	RCRA – U
					Series Wastes
Naphthalene	-	Included in waste		-	-
91-20-3		streams: F024,			
		F025, F034, F039,			
		K001, K035,			
		K060, K087, K145			

Chemical name	RCRA- Halogenated Organic Compounds	RCRA- P Series Wastes	RCRA- F Series Wates	RCRA- K Series Wastes
Naphthalene 91-20-3	<u>-</u>	<u>-</u>	Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

California Hazardous Waste Status

This product contains one or more substances that are listed with the State of California as hazardous waste.

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Chemical name	California Hazardous Waste Status	
Naphthalene	Toxic	
91-20-3		

14 Transport Information

<u>DOT</u>	Not regulated.
<u>IATA</u>	Not regulated.
<u>IMDG</u>	Not regulated.
<u>TDG</u>	UN3082

15 Regulatory Information

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Trade Name: Rislone Diesel Additive- Right Side

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable	CWA - Toxic	CWA – Priority	CWA – Hazardous
	Quantities	Pollutants	Pollutants	Substances
Naphthalene	100 lb	Х	X	X
91-20-3				

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Naphthalene	100lb 1lb	-
91-20-3		

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Naphthalene 91-20-3	Carcinogen
Cumene 98-82-8	Carcinogen

U.S. State Right-to-Know Regulations

US State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
2-Butoxyethanol	X	X	X
111-76-2			
Oleic Acid (C18:1)	-	-	X
112-80-1			

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Naphthalene 91-20-3	X	X	X
Xylene	X	X	X
1330-20-7			

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16 Other Information

NFPA Health Hazards 2 Flammability 2 Instability 0 Physical and chemical

properties -

<u>HMIS</u> Health Hazards *2 Flammability 2 Physical Hazards 0 Personal protection X

Chronic Hazard Star Legend * = Chronic Health Hazard

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value * Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

RTECS (Registry of Toxic Effects of Chemical Substances)

World Health Organization

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Trade Name: Rislone Diesel Additive- Right Side

Revision date 10-Aug-2022

Revision Note No information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet