Safety Data Sheet

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

Printing date 08.12.2014 Revision: 08.12.2014

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

· **Product identifier**

· **Trade name: Rislone® Diesel Treat Left Side**

· **Article number:** 44740

· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture** Treatment for diesel fuel.

· **Details of the supplier of the Safety Data Sheet**

· **Manufacturer/Supplier:**
Rislone
P.O. Box 187
Holly, MI 48442 USA
Phone: (810) 603-1321

· **Distributor:**
Smits Group Pty Ltd.
59 Greenmount Dr
East Tamaki, Auckland, New Zealand
NZ Telephone 09 274 6871
AUS Telephone 1800883 888

· **Emergency telephone number:**
ChemTel Inc.
(800)255-3924, +1 (813)248-0585
New Zealand 0800 764 766 (National Poison Control Centre)
Australia (02) 131126 (NSW Poison Control Control Centre)

2 Hazards identification

· **Classification (Australia, New Zealand)**
Australia NOHSC – Hazardous Substance (Classified according to Worksafe Australia NOHSC 2011 National Code of Practice)
Australia ADG – Non-Dangerous Goods (Classified according to National Transport Commision Australian Dangerous Goods Code)
New Zealand HSNO -Hazardous (Classified according to the Minimum Degrees of Hazard Regulations 2001)

· **Hazard statements**
HSNO Hazard Classes.

HSNO 3.1D	Flam. Liq. 4	H227 Combustible liquid.
HSNO 6.1E	Inh. Tox. 5	H333 May be harmful if inhaled.
HSNO 6.1E	Asp.Tox 1	H304 May be fatal if swallowed and enters airways.
HSNO 6.7B	Carc. 2	H351 Suspected of causing cancer.
HSNO 9.1C	Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

· **Hazard pictograms**

GHS08

· **Signal word** Danger

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Trade name: Rislone® Diesel Treat Left Side

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· **Hazard statements**
H227 Combustible liquid.
H333 May be harmful if inhaled.
H351 Suspected of causing cancer. Route of exposure: Inhalative.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.
· **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing mist/vapours/spray.
P281	Use personal protective equipment as required.
P264	Wash thoroughly after handling.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P403+P235	Store in a well-ventilated place. Keep cool.

· **Hazard description:**
· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterisation: Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

64742-81-0	Kerosine (petroleum), hydrodesulfurized Flam. Liq. 3, H226 Asp. Tox. 1, H304	> 60%
64742-95-6	Solvent naphtha (petroleum), light arom. Asp. Tox. 1, H304 Flam. Liq. 4, H227; Acute Tox. 5, H313	< 10%
64742-94-5	Solvent naphtha (petroleum), heavy arom. Asp. Tox. 1, H304	< 10%
27247-96-7	2-Ethylhexyl Nitrate Aquatic Acute 1, H400; Aquatic Chronic 2, H411 Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332 Flam. Liq. 4, H227	< 10%

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95-63-6	1,2,4-trimethylbenzene Flam. Liq. 3, H226 Aquatic Chronic 2, H411 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	< 10%
91-20-3	naphthalene Flam. Sol. 2, H228 Carc. 2, H351 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H302	< 10%
108-05-4	vinyl acetate Flam. Liq. 2, H225 Carc. 2, H351 Acute Tox. 4, H332; STOT SE 3, H335 Aquatic Chronic 3, H412	< 10%

4 First aid measures

· **Description of first aid measures**
· **General information:** Take affected persons out into the fresh air.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, 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.
A person vomiting while laying on their back should be turned onto their side.
· **Most important symptoms and effects, both acute and delayed**
Coughing
Dizziness
Breathing difficulty
Nausea
Cramp
· **Hazards**
Danger of pulmonary oedema.
Danger of impaired breathing.
Danger of convulsion.
· **Indication of any immediate medical attention and special treatment needed**
If swallowed, gastric irrigation with added, activated carbon.
If swallowed or in case of vomiting, danger of entering the lungs.
If necessary oxygen respiration treatment.
Medical supervision for at least 48 hours.
Later observation for pneumonia and pulmonary oedema.

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Trade name: Rislone® Diesel Treat Left Side

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5 Firefighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
Alcohol resistant foam
Foam
Fire-extinguishing powder
Gaseous extinguishing agents
Water haze or fog
· **For safety reasons unsuitable extinguishing agents:**
Water with full jet
Water spray
· **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NOx)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
· **Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
· **Additional information** Cool endangered receptacles with water fog or haze.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Use respiratory protective device against the effects of fumes/dust/aerosol.
Ensure adequate ventilation
Keep away from ignition sources.
Wear protective equipment. Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
· **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 liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
· **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.

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

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7 Handling and storage

· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Avoid storage near extreme heat, ignition sources or open flame.
Provide ventilation for receptacles.
· **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.
Store receptacle in a well ventilated area.
· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
64742-81-0 Kerosine (petroleum), hydrodesulfurized	
REL (USA)	Long-term value: 100 mg/m³ Kerosene only
TLV (USA)	Long-term value: 200 mg/m³ as total hydrocarbon vapor; Skin; P
64742-95-6 Solvent naphtha (petroleum), light arom.	
PEL (USA)	Long-term value: 50 ppm (Stoddard Solvent) mg/m³
TLV (USA)	Long-term value: 100ppm (Stoddard Solvent) mg/m³
95-63-6 1,2,4-trimethylbenzene	
REL (USA)	Long-term value: 125 mg/m³, 25 ppm
TLV (USA)	Long-term value: 123 mg/m³, 25 ppm
91-20-3 naphthalene	
NES (Australia)	Short-term value: 79 mg/m³, 15 ppm Long-term value: 52 mg/m³, 10 ppm
PEL (USA)	Long-term value: 50 mg/m³, 10 ppm
REL (USA)	Short-term value: 75 mg/m³, 15 ppm Long-term value: 50 mg/m³, 10 ppm

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TLV (USA)	Long-term value: 52 mg/m³, 10 ppm Skin; BEI
WES (New Zealand)	Short-term value: 79 mg/m³, 15 ppm Long-term value: 52 mg/m³, 10 ppm
108-05-4 vinyl acetate	
NES (Australia)	Short-term value: 70 mg/m³, 20 ppm Long-term value: 35 mg/m³, 10 ppm
REL (USA)	Peak limitation: 15* mg/m³, 4* ppm *15-min
TLV (USA)	Short-term value: 53 mg/m³, 15 ppm Long-term value: 35 mg/m³, 10 ppm
WES (New Zealand)	Short-term value: 70 mg/m³, 20 ppm Long-term value: 35 mg/m³, 10 ppm suspected carcinogen

· **DNELs** No further relevant information available.
· **PNECs** No further relevant information available.
· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid close or long term contact with the skin.
Avoid contact with the eyes.
· **Respiratory protection:**
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.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**
Contact lenses should not be worn.

Safety glasses

· **Body protection:** Solvent resistant protective clothing
· **Limitation and supervision of exposure into the environment**
No further relevant information available.
· **Risk management measures**
See Section 7 for additional information.
No further relevant information available.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Liquid
Colour:	Green
· **Odour:**	Petroleum-like
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/Melting range:	Not Determined.
Boiling point/Boiling range:	> 92 °C
· **Flash point:**	> 60 °C
· **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.
· **Vapour pressure:**	Not determined.
· **Density at 20 °C:**	0.84 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not determined.

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· **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.
· **Solvent content:**	
Organic solvents:	Not determined.
Solids content:	Not determined.
· **Other information**	No further relevant information available.

10 Stability and reactivity

· **Reactivity**
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
· **Possibility of hazardous reactions**
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
Used empty containers may contain product gases which form explosive mixtures with air.
Reacts with oxidising agents.
· **Conditions to avoid** Store away from oxidising agents.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides

11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**		
91-20-3 naphthalene		
Oral	LD50	490 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rat)

· **Primary irritant effect:**
· **on the skin:** Slight irritant effect on skin and mucous membranes.
· **on the eye:** Slight irritant effect on eyes.
· **Sensitisation:** No sensitising effects known.
· **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Harmful

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Danger through skin adsorption.
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
· **Repeated dose toxicity:** May cause damage to organs through prolonged or repeated exposure.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):**
Carc. 2

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** The material is harmful to the environment.
· **Persistence and degradability** No further relevant information available.
· **Bioaccumulative potential** Does not accumulate in organisms.
· **Mobility in soil** No further relevant information available.
· **Ecotoxical effects:**
· **Remark:**
Harmful to fish
Due to mechanical actions of the product (e.g. agglutinations) damages may occur.
The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.
· **Additional ecological information:**
· **General notes:**
This statement was deduced from the properties of the single components.
Avoid transfer into the environment.
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms
· **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.
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.
Contact waste processors for recycling information.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

· **UN-Number** · **DOT, ADG, ADN, IMDG, IATA**	Not Regulated
· **UN proper shipping name** · **DOT, ADG, ADN, IMDG, IATA**	Not Regulated
· **Transport hazard class(es)** · **DOT, ADG, ADN, IMDG, IATA** · **Class**	Not Regulated
· **Packing group** · **DOT, ADG, IMDG, IATA**	Not Regulated
· **Environmental hazards:** · **Marine pollutant:**	No
· **Special precautions for user**	Not applicable.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	-

15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**

108-05-4	vinyl acetate

· **Section 313 (Specific toxic chemical listings):**

95-63-6	1,2,4-trimethylbenzene
91-20-3	naphthalene
108-05-4	vinyl acetate

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65 (California):**

· **Chemicals known to cause cancer:**

91-20-3	naphthalene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

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· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**		
91-20-3	naphthalene	CBD

· **IARC (International Agency for Research on Cancer)**		
91-20-3	naphthalene	2B
108-05-4	vinyl acetate	2B

· **TLV (Threshold Limit Value established by ACGIH)**		
64742-81-0	Kerosine (petroleum), hydrodesulfurized	A3
91-20-3	naphthalene	A4
108-05-4	vinyl acetate	A3

· **MAK (German Maximum Workplace Concentration)**		
91-20-3	naphthalene	2
108-05-4	vinyl acetate	3A

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

· **Canada**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

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

· **Canadian Ingredient Disclosure list (limit 1%)**

91-20-3	naphthalene

· **Australian Inventory of Chemical Substances**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

TGA Schedule 5 poison (Hydrocarbon Liquids)

· **HSNO Chemical Classification and Information Database (CCID)**

None of the ingredients are listed.

· **New Zealand Inventory of Chemicals (NZIOC)**

All ingredients are listed.

· **Chemical safety assessment**

New Zealand
Group Standard Allocation and EPA Approval Code:
Fuel Additives (Combustible) Group Standard 2006
HSNO Approval-HSR002581
HSNO Control & Classes: 3.1D, 6.1E,6.7B,9.1C Trigger quantities for this substance: Trigger Quantity
Approved Handler Not Required
Location Certificate Not Required
Tracking Trigger Quantities Not applicable
Fire extinguishers 500 L (3.1D)
Signage Trigger Quantities 1 000L (9.1C)
Emergency Response Plan trigger Quantities 1 000L (9.1C)

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· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

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.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H227 Combustible liquid.
H228 Flammable solid.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer. Route of exposure: Inhalative.
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.
H412 Harmful to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (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
ACGIH: American Conference of Governmental Industrial Hygienists
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
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Flam. Liq. 4: Flammable liquids, Hazard Category 4
Flam. Sol. 2: Flammable solids, Hazard Category 2
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. 2: Serious eye damage/eye irritation, Hazard Category 2
Carc. 2: Carcinogenicity, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

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Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

· **Sources**

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

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

· **Product identifier**

· **Trade name: Rislone® Diesel Treat Right Side**

· **Article number:** 44740

· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture**
Treatment for diesel fuel.
Treatment for gasoline.

· **Details of the supplier of the Safety Data Sheet**

· **Manufacturer/Supplier:**
Rislone
P.O. Box 187
Holly, MI 48442 USA
Phone: (810) 603-1321

· **Distributor:**
Smits Group Pty Ltd.
59 Greenmount Dr
East Tamaki, Auckland, New Zealand
NZ Telephone 09 274 6871
AUS Telephone 1800883 888

· **Emergency telephone number:**
ChemTel Inc.
(800)255-3924, +1 (813)248-0585
New Zealand 0800 764 766 (National Poison Control Centre)
Australia (02) 131126 (NSW Poison Control Control Centre)

2 Hazards identification

· **Classification (Australia, New Zealand)**
Australia NOHSC – Hazardous Substance (Classified according to Worksafe Australia NOHSC 2011 National Code of Practice)
Australia ADG – Non-Dangerous Goods (Classified according to National Transport Commision Australian Dangerous Goods Code)
New Zealand HSNO - Hazardous (Classified according to the Minimum Degrees of Hazard Regulations 2001)

· **Hazard statements (New Zealand HSNO Classification)**
HSNO Hazard Classes.
HSNO 6.1E Inh. Tox. 5 H333 May be harmful if inhaled.

· **Hazard pictograms** Not Regulated

· **Signal word** Warning

· **Hazard statements**
H333 May be harmful if inhaled.

· **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

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· **Hazard description:**
· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterisation: Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**		
64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic	25-50%
64742-62-7	Residual oils (petroleum), solvent-dewaxed	25-50%
64741-65-7	Naphtha (petroleum), heavy alkylate Flam. Liq. 3, H226 Asp. Tox. 1, H304	< 10%

4 First aid measures

· **Description of first aid measures**
· **General information:** Take affected persons out into the fresh air.
· **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, 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.
A person vomiting while laying on their back should be turned onto their side.
· **Most important symptoms and effects, both acute and delayed**
Dizziness
Nausea
Cramp
· **Hazards** No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
If swallowed, gastric irrigation with added, activated carbon.
If necessary oxygen respiration treatment.
Medical supervision for at least 48 hours.

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5 Firefighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
Foam
Alcohol resistant foam
Fire-extinguishing powder
Gaseous extinguishing agents
Water haze or fog
· **For safety reasons unsuitable extinguishing agents:**
Water with full jet
Water spray
· **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
· **Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
· **Additional information** Cool endangered receptacles with water fog or haze.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
· **Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
· **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

· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· **Information about fire - and explosion protection:** No special measures required.

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· **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.
Provide ventilation for receptacles.
· **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.
· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
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 and skin.
· **Respiratory protection:**
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.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**

Safety glasses

· **Body protection:** Protective work clothing
· **Limitation and supervision of exposure into the environment**
No further relevant information available.
· **Risk management measures**
See Section 7 for additional information.
No further relevant information available.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Liquid
Colour:	Light yellow
· **Odour:**	Petroleum-like
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/Melting range:	Not Determined.
Boiling point/Boiling range:	>260 °C
· **Flash point:**	>93 °C
· **Flammability (solid, gaseous):**	Not applicable.
· **Auto/Self-ignition temperature:**	354 °C
· **Decomposition temperature:**	Not determined.
· **Self-igniting:**	Product is not self-igniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	0.7 Vol %
Upper:	6.5 Vol %
· **Vapour pressure at 20 °C:**	1.1 hPa
· **Density at 20 °C:**	0.86 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.

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· **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.
· **Solvent content:**	
Organic solvents:	Not determined.
Solids content:	Not determined.
· **Other information**	No further relevant information available.

10 Stability and reactivity

· **Reactivity**
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
· **Possibility of hazardous reactions** Reacts with strong oxidising agents.
· **Conditions to avoid** Store away from oxidising agents.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides

11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**		
64741-65-7 Naphtha (petroleum), heavy alkylate		
Oral	LD50	> 6000 mg/kg (rat)
Dermal	LD50	> 3000 mg/kg (rabbit)
Inhalative	LC50/4 h	> 7.8 mg/l (rat)

· **Primary irritant effect:**
· **on the skin:** Slight irritant effect on skin and mucous membranes.
· **on the eye:** Slight irritant effect on eyes.
· **Sensitisation:** No sensitising effects known.
· **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

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· **Acute effects (acute toxicity, irritation and corrosivity):** May be harmful if inhaled.

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** The material is harmful to the environment.
· **Persistence and degradability** The product is partially biodegradable. Significant residuals remain.
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Ecotoxical effects:**
· **Remark:**
Due to mechanical actions of the product (e.g. agglutinations) damages may occur.
The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.
· **Additional ecological information:**
· **General notes:**
This statement was deduced from the properties of the single components.
Avoid transfer into the environment.
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
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.
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.
Contact waste processors for recycling information.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**	
· **DOT, ADG, ADN, IMDG, IATA**	Not Regulated
· **UN proper shipping name**	
· **DOT, ADG, ADN, IMDG, IATA**	Not Regulated

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· **Transport hazard class(es)**	
· **DOT, ADG, ADN, IMDG, IATA**	
· **Class**	Not Regulated
· **Packing group**	
· **DOT, ADG, IMDG, IATA**	Not Regulated
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user**	Not applicable.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	-

15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**
None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**
All ingredients are listed.

· **Proposition 65 (California):**

· **Chemicals known to cause cancer:**
None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients are listed.

· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**
None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer)**
None of the ingredients are listed.

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· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients are listed.

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

· **Canada**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients are listed.

· **Australian Inventory of Chemical Substances**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

TGA Schedule 5 poison (Hydrocarbon Liquids)

· **HSNO Chemical Classification and Information Database (CCID)**

None of the ingredients are listed.

· **New Zealand Inventory of Chemicals (NZIOC)**

All ingredients are listed.

· **Chemical safety assessment**
New Zealand
Group Standard Allocation and EPA Approval Code:
Fuel Additives (Subsidiary Hazard) Group Standard 2006
Approval number -HSR002585
HSNO Control & Classes: 6.1E Trigger quantities for this substance: Trigger Quantity
Approved Handler Not Required
Location Certificate Not Required
Tracking Trigger Quantities Not applicable
Signage Trigger Quantities Not applicable
Emergency Response Plan Trigger Quantities Not applicable

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

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.
H304 May be fatal if swallowed and enters airways.

· **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (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
ACGIH: American Conference of Governmental Industrial Hygienists
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
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 5: Acute toxicity, Hazard Category 5
Asp. Tox. 1: Aspiration hazard, Hazard Category 1

· **Sources**
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