



Conforms to the Hazardous Substances (Safety Data Sheets) Notice 2017

## SAFETY DATA SHEET

# Rislone Diesel DEF & SCR Emissions System Cleaner

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

|                      |   |
|----------------------|---|
| ▼ <i>Trade name:</i> | Rislone Diesel DEF & SCR Emissions System Cleaner |
| <i>Product no.:</i>  | 44784   |

### Relevant identified uses of the substance or mixture and uses advised against

|  |             |
|--|-------------|
| <i>Relevant identified uses of the substance or mixture:</i> | Additive    |
| <i>Uses advised against :</i>                                | None known. |

### Details of the supplier of the safety data sheet

|                                  |   |
|----------------------------------|---|
| ▼ <i>Company and address:</i>    | <b>Rislone</b><br>P.O. Box 187<br>Holly, MI 48442<br>USA<br>(810) 603-1321<br>www.Rislone.com |
| ▼ <i>E-mail:</i>                 | support@rislone.com   |
| <i>SDS date:</i>                 | 25/01/2024  |
| <i>SDS Version:</i>              | 2.0   |
| <i>Date of previous version:</i> | 16/10/2023 (1.0)  |

### ▼ Emergency telephone number

ChemTel Inc.  
(800) 255-3924 (North America)  
+1 (813) 248-0585 (International)

## SECTION 2: HAZARDS IDENTIFICATION

Classified according to the Hazardous Substances (Hazard Classification) Notice.

### Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.  
Eye Dam. 1; H318, Causes serious eye damage.

### Label elements

*Hazard pictogram(s):*





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|                                    |  |
|------------------------------------|--|
| <i>Signal word:</i>                | Danger   |
| <i>Hazard statement(s):</i>        | Causes skin irritation. (H315)<br>Causes serious eye damage. (H318)  |
| <i>Precautionary statement(s):</i> |  |
| <i>General:</i>                    | If medical advice is needed, have product container or label at hand. (P101)<br>Keep out of reach of children. (P102)  |
| <i>Prevention:</i>                 | Wash hands and exposed skin thoroughly after handling. (P264)<br>Wear eye protection/protective gloves. (P280)   |
| <i>Response:</i>                   | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)<br>Immediately call a POISON CENTER/doctor. (P310) |
| <i>Storage:</i>                    | -  |
| <i>Disposal:</i>                   | -  |
| <i>Hazardous substances:</i>       | Alcohols, C12-16, ethoxylated<br>D-Glucopyranose, oligomers, decyl octyl glycosides  |
| <i>Additional labelling:</i>       | Not applicable.  |
| <b>Other hazards</b>               |  |
| ▼ <i>Additional warnings:</i>      | This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.   |

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

Not applicable. This product is a mixture.

#### Mixtures

| Product/substance                                  | Identifiers                              | % w/w  | Classification   | Note |
|--|--|--------|--|------|
| Alcohols, C12-16, ethoxylated                      | CAS No.: 68551-12-2<br>EC No.: 500-221-7 | 10-15% | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=1) | [19] |
| D-Glucopyranose, oligomers, decyl octyl glycosides | CAS No.: 68515-73-1<br>EC No.: 500-220-1 | 5-10%  | Eye Dam. 1, H318   | [19] |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if



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these are available.

### Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

*General information:*

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

*Inhalation:*

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

*Skin contact:*

IF ON SKIN: Wash with plenty of water and soap.  
Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.  
If skin irritation occurs: Get medical advice/attention.

*Eye contact:*

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

*Ingestion:*

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.  
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

*Burns:*

Not applicable.

### Most important symptoms and effects, both acute and delayed

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.



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

IF exposed or concerned:  
Get immediate medical advice/attention.

### **Information to medics**

Bring this safety data sheet or the label from this product.

## **SECTION 5: FIREFIGHTING MEASURES**

### **Extinguishing media**

Not applicable.

### **Special hazards arising from the substance or mixture**

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

### **Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the National Poisons Centre: 0800 764 766 (24 hour service) in order to obtain further advice.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

Avoid direct contact with spilled substances.  
Ensure adequate ventilation, especially in confined areas.  
Contaminated areas may be slippery.

### **Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.  
Keep unauthorized persons away from the spill

### **Methods and material for containment and cleaning up**

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.  
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.  
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### **Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.  
See section 8 "Exposure controls/personal protection" for protective measures.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for safe handling**

Avoid direct contact with the product.  
Smoking, drinking and consumption of food is not allowed in the work area.  
See section 8 "Exposure controls/personal protection" for information on personal protection.



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### Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

*Recommended storage material:*

Always store in containers of the same material as the original container.

*Storage temperature:*

Dry, cool and well ventilated

*Incompatible materials:*

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

sodium hydroxide;caustic soda  
Ceiling value (mg/m<sup>3</sup>): 2

Workplace exposure standards and biological exposure indices. Edition 13, April 2022.

#### DNEL:

D-Glucopyranose, oligomers, decyl octyl glycosides

| Duration:   | Route of exposure: | DNEL:                 |
|---|--------------------|-----------------------|
| Long term – Systemic effects - General population | Dermal             | 357000 mg/kg bw/day   |
| Long term – Systemic effects - Workers            | Dermal             | 595000 mg/kg bw/day   |
| Long term – Systemic effects - General population | Inhalation         | 124 mg/m <sup>3</sup> |
| Long term – Systemic effects - Workers            | Inhalation         | 420 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population | Oral               | 35.7 mg/kg bw/day     |

sodium hydroxide;caustic soda

| Duration:                                      | Route of exposure: | DNEL:               |
|--|--------------------|---------------------|
| Long term – Local effects - General population | Inhalation         | 1 mg/m <sup>3</sup> |
| Long term – Local effects - Workers            | Inhalation         | 1 mg/m <sup>3</sup> |

#### PNEC:

D-Glucopyranose, oligomers, decyl octyl glycosides

| Route of exposure:                | Duration of Exposure: | PNEC:       |
|-----------------------------------|-----------------------|-------------|
| Freshwater                        |                       | 176 µg/L    |
| Freshwater sediment               |                       | 1.516 mg/kg |
| Intermittent release (freshwater) |                       | 270 µg/L    |
| Marine water                      |                       | 17.6 µg/L   |
| Marine water sediment             |                       | 152 µg/kg   |



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|                        |  |              |
|------------------------|--|--------------|
| Predators              |  | 111.11 mg/kg |
| Sewage treatment plant |  | 560 mg/L     |
| Soil                   |  | 654 µg/kg    |

## Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

*General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:*

There are no exposure scenarios implemented for this product.

*Exposure limits:*

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

*Appropriate technical measures:*

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Ensure that eyewash stations and safety showers are located within easy reach. Apply standard precautions during use of the product. Avoid inhalation of vapours.

*Hygiene measures:*

Take off contaminated clothing and wash it before reuse.

*Measures to avoid environmental exposure:*

No specific requirements.

## Individual protection measures, such as personal protective equipment

*Generally:*

Use only protective equipment that have been approved by IANZ or NATA, or a laboratory accredited under a recognised Mutual Recognition Arrangement.


*Respiratory Equipment:*

No specific requirements

*Skin protection:*

No specific requirements.


*Hand protection:*

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards |   |
|----------|----------------------|--------------------------|-----------|---|
| Gloves   | -                    | -                        | EN374     |  |

*Eye protection:*



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| Type                              | Standards |   |
|-----------------------------------|-----------|---|
| Safety glasses with side shields. | EN166     |  |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                    |  |
|------------------------------------|--|
| <i>Form:</i>                       | Liquid   |
| <i>Colour:</i>                     | Clear  |
| <i>Odour:</i>                      | No data available  |
| <i>Odour threshold (ppm):</i>      | No data available  |
| <i>pH:</i>                         | 9.5-11.5   |
| <i>Density (g/cm<sup>3</sup>):</i> | -  |
| <i>Relative density:</i>           | 1  |
| <i>Kinematic viscosity:</i>        | Testing not relevant or not possible due to the nature of the product. |

### Phase changes

|   |                   |
|---|-------------------|
| <i>Melting point (°C):</i>                      | No data available |
| <i>Boiling point (°C):</i>                      | No data available |
| <i>Vapour pressure:</i>                         | No data available |
| <i>Relative vapour density:</i>                 | No data available |
| <i>Decomposition temperature (°C):</i>          | No data available |
| <i>Evaporation rate (n-butylacetate = 100):</i> | No data available |

### Data on fire and explosion hazards

|  |  |
|--|--|
| <i>Flash point (°C):</i>               | No data available  |
| <i>Flammability (°C):</i>              | No data available  |
| <i>Auto-ignition temperature (°C):</i> | No data available  |
| <i>Explosion limits (% v/v):</i>       | No data available  |
| <i>Explosive properties:</i>           | No data available  |
| <i>Oxidizing properties:</i>           | Testing not relevant or not possible due to the nature of the product. |

### Solubility

|  |  |
|--|--|
| <i>Solubility in water:</i>                  | Testing not relevant or not possible due to the nature of the product. |
| <i>n-octanol/water coefficient (LogKow):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Solubility in fat (g/L):</i>              | Testing not relevant or not possible due to the nature of the product. |

### Other information



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*Evaporation rate (n-butylacetate = 100):*

No data available

*Other physical and chemical parameters:*

No data available.

*Oxidizing properties:*

Testing not relevant or not possible due to the nature of the product.

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### Possibility of hazardous reactions

None known.

### Conditions to avoid

None known.

### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute toxicity

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

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory sensitisation

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

#### Skin sensitisation

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

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### STOT-single exposure

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

#### STOT-repeated exposure





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

**Aspiration hazard**

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

**Long term effects**

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity**

No data available.

**▼ Persistence and degradability**

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

**▼ Bioaccumulative potential**

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

**Mobility in soil**

No data available.

**▼ Results of PBT and vPvB assessment**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**Other adverse effects**

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

Dispose of contents/container to an approved waste disposal plant.

**Specific labelling**

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: TRANSPORT INFORMATION**

|      | 14.1<br>UN / ID | 14.2<br>UN proper shipping name | 14.3<br>Hazard class(es) | 14.4<br>PG* | 14.5<br>Env** | Other<br>information: |
|------|-----------------|---------------------------------|--------------------------|-------------|---------------|-----------------------|
| ADR  | -               | -                               | -                        | -           | -             | -                     |
| IMDG | -               | -                               | -                        | -           | -             | -                     |
| IATA | -               | -                               | -                        | -           | -             | -                     |

\* Packing group

\*\* Environmental hazards



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### Additional information

Not dangerous goods according to ADR, IATA and IMDG.

### Special precautions for user

Not applicable.

### Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

## SECTION 15: REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

*Restrictions for application:*

No special.

*Demands for specific education:*

No specific requirements.

*Control of major hazard facilities:*

Not applicable.

*Additional information:*

Not applicable.

*New Zealand Inventory of Chemicals (NZIoC):*

Alcohols, C12-16, ethoxylated is listed  
D-Glucopyranose, oligomers, decyl octyl glycosides is listed  
sodium hydroxide;caustic soda is listed

*Sources:*

Hazardous Substances (Hazard Classification) Notice 2020  
Hazardous Substances and New Organisms Act 1996

### Chemical safety assessment

No

## SECTION 16: OTHER INFORMATION

### Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H400, Very toxic to aquatic life.

### The full text of identified uses as mentioned in section 1

None known.

### Abbreviations and acronyms

AS/NZS = Australian New Zealand Standard

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

EINECS = European Inventory of Existing Commercial chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

Hazchem = Hazardous chemicals

IANZ = International Accreditation New Zealand

IARC = International Agency for Research on Cancer



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IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NATA = National Association of Testing Authorities  
NZIoC = New Zealand Inventory of Chemicals  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
SCL = A specific concentration limit  
STEL = Short-term exposure limits  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### **Additional information**

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by the Hazardous Substances (Hazard Classification) Notice.

#### **▼ The safety data sheet is validated by**

NL

#### **Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: NZ-en