



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

## SAFETY DATA SHEET

# Rislone ZDDP Engine Oil Supplement

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

#### Product identifier

*Trade name:* Rislone ZDDP Engine Oil Supplement  
*Product no.:* 4405

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

*Relevant identified uses of the substance or mixture:* Oil Additive  
For private use  
*Uses advised against :* None known.

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

*Company and address:* **Rislone**  
P.O. Box 187  
Holly, MI 48442  
USA  
(810) 603-1321  
www.Rislone.com

*Importer:* **Smits Group Pty Ltd.**  
59 Greenmount Drive  
East Tamaki, Auckland, New Zealand  
NZ Telephone 09 274 6871  
AUS Telephone 1800 883 888

New Zealand  
*E-mail:* support@rislone.com  
*SDS date:* 07 April 2026  
*SDS Version:* 1.0

#### Emergency telephone number

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

New Zealand 0800 764 766 (National Poison Control Centre)  
Australia 131126 (NSW Poison Control Centre)



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

## 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.

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

### Label elements

*Hazard pictogram(s):*



*Signal word:*

Danger

*Hazard statement(s):*

Causes skin irritation. (H315)

Causes serious eye damage. (H318)

Harmful to aquatic life with long lasting effects. (H412)

*Precautionary statement(s):*

*General:*

If medical advice is needed, have product container or label at hand. (P101)

Keep out of reach of children. (P102)

*Prevention:*

Wash hands and exposed skin thoroughly after handling. (P264)

Avoid release to the environment. (P273)

Wear eye protection/protective gloves/protective clothing. (P280)

*Response:*

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Immediately call a POISON CENTER/doctor. (P310)

*Storage:*

Not applicable.

*Disposal:*

Dispose of contents/container in accordance with local regulation. (P501)

*Hazardous substances:*

Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts

*Additional labelling:*

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS



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

## Substances

Not applicable. This product is a mixture.

## Mixtures

| Product/substance   | Identifiers                              | % w/w  | Classification   | Note |
|---|--|--------|--|------|
| Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts | CAS No.: 68442-22-8<br>EC No.: 270-478-5 | 15-25% | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411 | [19] |
| Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts                         | CAS No.: 68584-23-6<br>EC No.: 271-529-4 | <0.25% | Skin Sens. 1B, H317 (10.0% ≤ C ≤ 100.0%)                           | [19] |

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

**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**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.  
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

**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.



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

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

---

### Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.  
Contaminated areas may be slippery.

### Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

### Methods and material for containment and cleaning up

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

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

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.

### 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 conditions:*

Avoid storage near extreme heat, ignition sources or open flame

Cool, dry conditions in well sealed receptacles

*Incompatible materials:*

Foodstuffs

Oxidizing agents

### Specific end use(s)

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

---

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

---



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

### Control parameters

No substances are included in the latest edition of the Workplace Exposure Standards and Biological Exposure Indices.

### Exposure controls

Apply general control to prevent unnecessary exposure

*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:* Occupational exposure limits have not been defined for the substances in this product.

*Appropriate technical measures:* 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:* Keep damming materials near the workplace. If possible, collect spillage during work.

### 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:*

| Recommended              | Type/Category            | Standards |  |
|--------------------------|--------------------------|-----------|--|
| Protective work clothing | Protective work clothing |           |  |

#### *Hand protection:*

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

#### *Eye protection:*

| 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>                     | Yellow                   |
| <i>Odour:</i>                      | Mild                     |
| <i>Odour threshold (ppm):</i>      | No data available.       |
| <i>pH:</i>                         | Not determined           |
| <i>Density (g/cm<sup>3</sup>):</i> | -                        |
| <i>Relative density:</i>           | 0.907                    |
| <i>Kinematic viscosity:</i>        | 8.3 centistokes (100 °C) |

### Phase changes

|   |                            |
|---|----------------------------|
| <i>Melting point/Freezing point (°C):</i>       | Not determined             |
| <i>Softening point/range (°C):</i>              | Does not apply to liquids. |
| <i>Boiling point (°C):</i>                      | Not determined             |
| <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> |                            |

### Data on fire and explosion hazards

|  |                |
|--|----------------|
| <i>Flash point (°C):</i>               | 221.1          |
| <i>Flammability (°C):</i>              | Not applicable |
| <i>Auto-ignition temperature (°C):</i> | Not determined |
| <i>Explosion limits (% v/v):</i>       | Not determined |

### Solubility

|  |                                  |
|--|----------------------------------|
| <i>Solubility in water:</i>                  | Not miscible or difficult to mix |
| <i>n-octanol/water coefficient (LogKow):</i> | No data available.               |
| <i>Solubility in fat (g/L):</i>              | No data available.               |

### Other information

|  |                    |
|--|--------------------|
| <i>Other physical and chemical parameters:</i> | No data available. |
|--|--------------------|



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

*Oxidizing properties:*

Not determined

## 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**

Excessive heat

### **Incompatible materials**

Oxidizers

### **Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 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.



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

### STOT-repeated exposure

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

Harmful to aquatic life with long lasting effects.

### 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.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

### 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 information: |
|----------------|-----------------|---------------------------------|--------------------------|-------------|---------------|--------------------|
| ADR/A<br>DN/RI | -               | -                               | -                        | -           | -             | -                  |



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

|      | 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 information: |
|------|-----------------|---------------------------------|--------------------------|-------------|---------------|--------------------|
| D    |                 |                                 |                          |             |               |                    |
| IMDG | -               | -                               | -                        | -           | -             | -                  |
| IATA | -               | -                               | -                        | -           | -             | -                  |

\* Packing group

\*\* Environmental hazards

#### Additional information

Not dangerous goods according to ADR/ADN/RID, 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):*

Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts is listed  
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts is listed

*HSNO Approval Number:*

HSR002503 (Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2020)

*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

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.



H411, Toxic to aquatic life with long lasting effects.

### **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

HSNO = Hazardous Substances and New Organisms Act

IANZ = International Accreditation New Zealand

IARC = International Agency for Research on Cancer

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

LogKow = logarithm of the n-octanol/water 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 classification of the mixture in regard of environmental hazards are 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 triangle.



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

---

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