

Safety Data Sheet

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According to The Model Work Health and Safety Regulations, and the
Globally Harmonized System of Classification and Labelling of
Chemicals 7th Revised Edition

Revision: 13 December 2022

1. Identification

Product identifier

Trade name: Rislone® Hy-per Lube Zinc ZDDP Replacement
Product code: 4405, 44405

Recommended use and restriction on use

Recommended use: Oil Additive.

Restrictions on use: No further 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



Distributor:

Smits Group Pty Ltd.
50 Radius Drive
Larapinda
QLD 4110
Australia
AUS Telephone 1800 883 888

Emergency telephone number:

ChemTel Inc.
(800) 255-3924 (North America)
+1 (813) 248-0585 (International)
1-300-954-583 (Australia)
New Zealand 0800 764 766 (National Poison Control Centre)
Australia 131126 (NSW Poison Control Centre)

2. Hazards identification

Classification of the substance or mixture

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

GHS Label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:



GHS07

Signal word: Warning

Hazard Statements:

H315 Causes skin irritation.
H318 Causes serious eye damage.

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Precautionary Statements:

P246 Wash skin thoroughly after handling.
P280 Wear protective gloves/eye protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P337+P313 If eye irritation persists: Get medical advice/attention.

Hazard description:

Other hazards There are no other hazards not otherwise classified that have been identified.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. Composition and information on ingredients

Chemical characterization: Mixtures

Components:		
CAS: 68442-22-8 EINECS: 270-478-5	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts ⚠ Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 2, H411	10-30%
CAS: 128218-63-3	Butenedioic acid (Z)-, dibutyl ester, polymer with 1-hexdecene and 1-tetradecene	<10%
CAS: 61789-86-4 EINECS: 263-093-9	Calcium petroleum sulfonate ⚠ Skin Sens. 1B, H317	<10%
CAS: 68584-23-6 EINECS: 271-529-4	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts ⚠ Skin Sens. 1B, H317	<10%

Additional information:

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This product meets these requirements. For the listed ingredient(s), the identity and/or exact percentages are being withheld as a trade secret. For the wording of the listed Hazard Statements refer to section 16.

4. First-aid measures

Description of first aid measures

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

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In skin irritation continues, consult a doctor.

After eye contact:

Protect unharmed eye.

Remove contact lenses, if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed:

Irritant to skin and mucous membranes.

Irritating to eyes.

Gastric or intestinal disorders when ingested.

Nausea in case of ingestion.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

Foam

Carbon dioxide

Gaseous extinguishing agents

Fire-extinguishing powder

For safety reasons unsuitable extinguishing agents:

Water

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Particular danger of slipping on leaked/spilled product.

Environmental precautions:

Avoid release to environment.

Prevent from spreading (e.g., by damming-in or oil barriers)

Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Remove from the water surface (e.g., skim or suck off).

Send for recovery or disposal in suitable receptacles.

Reference to other sections

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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

Handling:

Precautions for safe handling

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

Handle with care.

Avoid contact with the eyes and skin.

Avoid breathing mist/vapours/spray.

Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.

Store in cool, dry conditions in well sealed receptacles.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Specific end use(s) No further relevant information available.

8. Exposure controls/personal protection

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.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Avoid breathing mist/vapours/spray.

Respiratory protection:

Not required under normal conditions of use.

Use suitable respiratory protective device when aerosol or mist is formed.

For spills, respiratory protection may be advisable.

Protection of hands:



Protective gloves

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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

No further relevant information available.

Engineering controls: Use only in a well-ventilated area.

9. Physical and chemical properties

Information on basic physical and chemical properties

General information

Appearance	
Form	Liquid
Colour	Yellow
Odour	Mild
Odour threshold	Not determined.
Change in condition	
Melting point/Melting range	Not determined.
Boiling point/Boiling range	Not determined.
Flammability (solid, gas)	Not applicable.
Explosion limits	
Lower	Not determined.
Upper	Not determined.
Flash point	>130°C (>266°F)
Auto/Self-ignition temperature	Not determined.
Decomposition temperature	Not determined.
pH-value	Not determined.
Viscosity	
Dynamic	Not determined.
Kinematic @ 40°C	>20.5 mm ² /s
Solubility in/Miscibility with water	Not miscible or difficult to mix
Partition coefficient (n-octanol/water) at 20°C	Not determined.
Vapour pressure	Not determined.
Density	
Relative density	<1
Vapour density	Not determined.
Evaporation rate	Not determined.
Particle characteristics	Not determined.

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Other information	No further relevant information available.
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10. Stability and Reactivity

Reactivity No further relevant information available.

Chemical stability Stable under normal temperature and pressures.

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

To avoid thermal decomposition do not overheat.

Possibility of hazardous reactions

Toxic fumes may be released if heated above the decomposition point.

Reacts with strong oxidising agents.

Conditions to avoid: Excessive heat.

Incompatible materials: Oxidisers

Hazardous decomposition products:

Under fire conditions only:

Carbon monoxide and carbon dioxide

Hydrocarbons

Phosphorus oxides (e.g., P₂O₅)

Sulphur oxides (SO_x)

Toxic metal oxide smoke

11. Toxicological information

Information on toxicological effects

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

LD/LC50 values relevant for classification: None.

Primary irritant effect

Skin corrosion/irritation: Irritant to skin and mucous membranes.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

IARC (International Agency for Research on Cancer)

None of the ingredients are listed.

Probable routes of exposure:

Ingestion.

Inhalation.

Eye contact.

Skin contact.

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

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

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12. Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Due to mechanical actions of the product (e.g., agglutinations) damages may occur.

Additional ecological information:

General notes: Avoid release to the environment.

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

Contact waste processors for recycling information.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

UN-Number	
DOT, ADG, IMDG, IATA	Not Regulated
UN proper shipping name	
DOT, ADG, IMDG, IATA	Not Regulated
Transport hazard class(es)	
DOT, ADG, IMDG, IATA	
Class	Not Regulated
Packing group	
DOT, ADG, IMDG, IATA	Not Regulated
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Not Applicable
Danger code (Kemler):	-

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Transport in bulk according to Annex II of Marpol and the IBC Code	Not Applicable
Additional Information	Not Applicable

15. Regulatory information

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

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

Australia

Australian Inventory of Chemical Substances
All ingredients are listed.
Standards for the Uniform Scheduling of Medicines and Poisons
TGA Schedule 5 poison (Hydrocarbon Liquids)
New Zealand Inventory of Chemicals (NZIOC)
All ingredients are listed.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of preparation of latest revision of SDS

December 13, 2022: Revised SDS to comply with The Model Work Health and Safety Regulation, and the Globally Harmonized System of Classification and Labelling of Chemicals 7th Revised Edition.

October 20, 2022: Revised formula and updated warnings.

Relevant phrases

H315 Causes skin irritation.

H317 May cause allergic skin reaction.

H318 Causes serious eye damage.

Abbreviations and acronyms:

ADG: Australian Dangerous Goods Code

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxic

vPvB: very Persistent and very Bio-accumulative

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Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Hazard Category 2A
Skin Sens. 1B: Skin sensitisation – Category 1B

Sources

Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers

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