

Safety Data Sheet

according to Australia WHS and NZ HSNO Regulations

Printing date: 17 August 2018

Revision: 22 July 2021

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

- **Product identifier**
- **Trade name:** Rislone Super Radiator Flush
- **Product code:** 41201
- **Recommended use and restriction on use**
- **Recommended use:** 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)
(801) 1 (813)248-0585 (International)

Emergencies within Australia - 131126 (NSW Poison Control Centre)

Emergencies within New Zealand - 0800 764 766 (National Poison Control Centre)

2 Hazards identification

- **Classification (Australia, New Zealand)**

Australia NOHSC – Hazardous Substance (Classified according to Worksafe Australia NOHSC 2011 National Code of Practice)

New Zealand HSNO - Hazardous (Classified according to the Minimum Degrees of Hazard Regulations 2001)

- **Hazard statements (New Zealand HSNO Classification)**

HSNO 6.3A Skin Irr. 2 H315 Causes skin irritation.
HSNO 6.4A Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard statements**

H315 Causes skin irritation.
H319 Causes serious eye irritation.

(Cont'd. on page 2)

Safety Data Sheet

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Printing date: 17 August 2018

Revision: 22 July 2021

Trade name: Rislone Super Radiator Flush

(Cont'd. from page 1)

- **Precautionary statements**

- P264 Wash thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection.
- P302+P352 IF ON SKIN: Wash with plenty of 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.

- **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/information on ingredients

- **Chemical characterisation: Mixtures**

- **Components:**

CAS: 9014-93-1 NLP: 500-209-1	Dinonylphenyl polyoxyethylene ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319	<2%
CAS: 1310-58-3 EINECS: 215-181-3	Potassium hydroxide ⚠ Met. Corr. 1, H290; Skin Corr. 1A, H314 ⚠ Acute Tox. 4, H302	<2%

- **Additional information:** 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.
Provide oxygen treatment if affected person has difficulty breathing.

- **After skin contact:**

Wash with soap and water.
If skin irritation or rash occurs: Get medical advice/attention.

- **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:** Do not induce vomiting; call for medical help immediately.

- **Most important symptoms and effects, both acute and delayed**

Gastric or intestinal disorders when ingested.
Coughing
Cramp

Nausea in case of ingestion.
Irritating to eyes and skin.

- **Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

(Cont'd. on page 3)

Safety Data Sheet

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Printing date: 17 August 2018

Revision: 22 July 2021

Trade name: Rislone Super Radiator Flush

(Cont'd. from page 2)

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
The product is not flammable.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** None.
- **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**
Ensure adequate ventilation
Use personal protective equipment as required.
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions** Avoid release to the environment.
- **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.
- **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

- **Handling:**
- **Precautions for safe handling**
Avoid breathing mist/vapours/spray.
Avoid contact with the eyes and skin.
Keep out of reach of children.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:** No further relevant information available.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

(Cont'd. on page 4)

Safety Data Sheet

according to Australia WHS and NZ HSNO Regulations

Printing date: 17 August 2018

Revision: 22 July 2021

Trade name: Rislone Super Radiator Flush

(Cont'd. from page 3)

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

1310-58-3 Potassium hydroxide

NES (Australia)	Ceiling limit: 2 mg/m ³
WES (Australia)	Ceiling limit: 2 mg/m ³
REL (USA)	Ceiling limit: 2 mg/m ³
TLV (USA)	Ceiling limit: 2 mg/m ³
WES (New Zealand)	Ceiling limit: 2 mg/m ³

- **Exposure controls**

- **General protective and hygienic measures:**

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

Keep away from foodstuffs, beverages and feed.

Avoid breathing mist/vapours/spray.

Avoid contact with the eyes and skin.

- **Respiratory protection:**

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

- **Protection of hands:**



Protective gloves

- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing

- **Limitation and supervision of exposure into the environment:** No special requirements.

- **Risk management measures:** No special requirements.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **Appearance**

Form: Liquid

Colour: Blue

- **Odour:** Odourless

- **Odour threshold:** Not determined.

- **pH-value:** Alkaline

- **Melting point/freezing point:** Not determined.

- **Initial boiling point and boiling range:** ~100 °C (~212 °F)

- **Flash point:** Not applicable.

(Cont'd. on page 5)

Safety Data Sheet

according to Australia WHS and NZ HSNO Regulations

Printing date: 17 August 2018

Revision: 22 July 2021

Trade name: Rislone Super Radiator Flush

(Cont'd. from page 4)

· Flammability (solid, gas):	Not applicable.
· Auto/Self-ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
· Oxidising properties	Non-oxidising.
· Vapour pressure:	Not determined.
· Density:	
Relative density:	1.0-1.1
Vapour density:	Not determined.
Evaporation rate:	Not determined.
· Solubility in / Miscibility with water:	Soluble.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
Reacts with strong oxidising agents.
Reacts with strong acids.
- **Conditions to avoid** Avoid acids.
- **Incompatible materials** Strong acids.
- **Hazardous decomposition products**
Under fire conditions only:
Carbon monoxide and carbon dioxide

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:**

(Cont'd. on page 6)

Safety Data Sheet

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Printing date: 17 August 2018

Revision: 22 July 2021

Trade name: Rislone Super Radiator Flush

(Cont'd. from page 5)

1310-58-3 Potassium hydroxide

Oral | LD50 | 273 mg/kg (rat)

- **Primary irritant effect**
- **Skin corrosion/irritation:** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation:** Irritating effect.
- **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.

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.

· 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

Smaller quantities can be disposed of with household waste.

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.

(Cont'd. on page 7)

Safety Data Sheet

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Revision: 22 July 2021

Trade name: Rislone Super Radiator Flush

(Cont'd. from page 6)

14 Transport information

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

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

1310-58-3 Potassium hydroxide

S5, S6, S10

· **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.

· **Relevant phrases**

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eyedamage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

(Cont'd. on page 8)

Safety Data Sheet

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Trade name: Rislone Super Radiator Flush

(Cont'd. from page 7)

Abbreviations and acronyms:

ADG: Australian Code for the Transport of Dangerous Goods by Road & Rail
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
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 Bioaccumulative
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
Met. Corr. 1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Sources

Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/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., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers

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