

# Safety Data Sheet

Page 1 of 8

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

Revision: 13 December 2022

Printing Date: 17 August 2018

## 1. Identification

### 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)  
+1 (813) 248-0585 (International)

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 Irrit. 2A    H319    Causes serious eye irritation.

### Label elements

#### 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.  
H319 Causes serious eye irritation.

# Safety Data Sheet

Page 2 of 8

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

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**Trade Name: Rislone® Super Radiator Flush**

## 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.

## 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: 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

# Safety Data Sheet

Page 3 of 8

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

Revision: 13 December 2022

## Trade Name: Rislone® Super Radiator Flush

Nausea in case of ingestion.

Irritating to eyes and skin.

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

## 5. Fire-fighting 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

#### Storage:

#### Requirements to be met by storerooms and receptacles:

Store in cool, dry conditions in well sealed receptacles.

# Safety Data Sheet

Page 4 of 8

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

Revision: 13 December 2022

**Trade Name: Rislone® Super Radiator Flush**

**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

### Control parameters

Ingredients with limit values that require monitoring at the workplace:	
<b>1310-58-3 Potassium hydroxide</b>	
NES (Australia)	Ceiling limit: 2 mg/m <sup>3</sup>
WES (Australia)	Ceiling limit: 2 mg/m <sup>3</sup>
REL (USA)	Ceiling limit: 2 mg/m <sup>3</sup>
TLV (USA)	Ceiling limit: 2 mg/m <sup>3</sup>
WES (New Zealand)	Ceiling limit: 2 mg/m <sup>3</sup>

### Exposure controls

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

**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.

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

#### General information

<b>Appearance</b>	
<b>Form</b>	Liquid

# Safety Data Sheet

According to The Model Work Health and Safety Regulations, and the  
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Chemicals 7<sup>th</sup> Revised Edition

Revision: 13 December 2022

Trade Name: Rislone® Super Radiator Flush

<b>Colour</b>	Blue
<b>Odour</b>	Odourless
<b>Odour threshold</b>	Not determined.
<b>Change in condition</b>	
<b>Melting point/Melting range</b>	Not determined.
<b>Boiling point/Boiling range</b>	~100°C (~212°F)
<b>Flammability (solid, gaseous)</b>	Not applicable.
<b>Explosive properties</b>	Product does not present an explosion hazard.
<b>Explosion limits</b>	
<b>Lower</b>	Not determined.
<b>Upper</b>	Not determined.
<b>Oxidising properties</b>	Non-oxidising.
<b>Flash point</b>	Not applicable.
<b>Auto/Self-ignition temperature</b>	Not determined.
<b>Decomposition temperature</b>	Not determined.
<b>pH-value</b>	Alkaline
<b>Viscosity</b>	
<b>Dynamic</b>	Not determined.
<b>Kinematic</b>	Not determined.
<b>Solubility in/Miscibility with water</b>	Soluble.
<b>Partition coefficient (n-octanol/water) at 20°C</b>	Not determined.
<b>Vapour pressure</b>	Not determined.
<b>Density</b>	
<b>Relative density</b>	1.0-1.1
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Particle characteristics</b>	Not determined.
<b>Other information</b>	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

# Safety Data Sheet

Page 6 of 8

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

Revision: 13 December 2022

**Trade Name: Rislone® Super Radiator Flush**

## Information on toxicological effects

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

<b>LD/LC50 values relevant for classification:</b>		
<b>1310-58-3 Potassium hydroxide</b>		
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.

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

## Probable routes of exposure:

Ingestion.

Inhalation.

Eye contact.

Skin contact.

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

**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.

**Ecotoxicity** No further relevant information available.

### Additional ecological information:

**General notes:** Avoid transfer 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.

# Safety Data Sheet

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Revision: 13 December 2022

## Trade Name: Rislone® Super Radiator Flush

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

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

## 15. Regulatory information

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

<b>IARC (International Agency for Research on Cancer)</b>		
None of the ingredients are listed.		
<b>Australia</b>		
<b>Australian Inventory of Chemical Substances</b>		
All ingredients are listed.		
<b>Standards for the Uniform Scheduling of Medicines and Poisons</b>		
1310-58-3	Potassium hydroxide	S5, S6, S10
<b>New Zealand Inventory of Chemicals (NZIOC)</b>		
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**

# Safety Data Sheet

Page 8 of 8

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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 7<sup>th</sup> Revised Edition.

### Relevant phrases

H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

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

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