

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
Product name : Ceramic Motor Seal - Australia  
Product code : 468-9120-16

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Sealant

#### 1.4. Details of manufacturer or importer

##### Manufacturer

Ironite Products Inc.  
2525 18th Street SW, Suite D  
Cedar Rapids, Iowa 52404  
T (319) 377-9421 or 1-800-553-5953  
[service@irontite.com](mailto:service@irontite.com)

##### Distributor

Warren & Brown Company  
108 MITCHELL STREET  
MAIDSTONE  
VICTORIA 3012

#### 1.5. Emergency phone number

Emergency number : 131 126

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 1 H318

#### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Corrosion

Signal word (GHS AU) :

Danger

Contains :

Sodium silicate (30 - 60 %)

Hazard statements (GHS AU) :

H315 - Causes skin irritation  
H318 - Causes serious eye damage

Precautionary statements (GHS AU) :

P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor.

#### 2.3. Other hazards which do not result in classification

No additional information available

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## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

### SECTION 3: Composition and information on ingredients

Name	CAS-No.	%
Sodium silicate	1344-09-8	30 - 60
Non-Hazardous or chemicals not contributing to final classification	Proprietary	40 - 70

### SECTION 4: First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

#### 4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### 4.3. Medical attention and special treatment

Other medical advice or treatment	: Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: Do not use water jet.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon. Oxides of sulfur. Metal oxides.
General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
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according to the Work Health and Safety (WHS) Regulations

### 6.1.1. For non-emergency personnel

No additional information available

### 6.1.2. For emergency responders

No additional information available

## 6.2. Environmental precautions

Prevent entry to sewers and public waters.

## 6.3. Methods and materials for containment and cleaning up

For containment	: Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
Methods for cleaning up	: Provide ventilation. Sweep or shovel spills into appropriate container for disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Do not mix with other chemicals. Use only in well-ventilated areas. Do not get in eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid skin contact. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.
Hygiene measures	: Wash contaminated clothing before reuse. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Do not store in unlabelled containers. Keep out of the reach of children. Keep container tightly closed.
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## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

No additional information available

### 8.2. Biological Monitoring

No additional information available

### 8.3. Engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers. Provide readily accessible eye wash stations and safety showers.
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### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection	: Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.
Eye protection	: Wear eye/face protection.
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.
Environmental exposure controls	: Avoid release to the environment.
Other information	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

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according to the Work Health and Safety (WHS) Regulations

### SECTION 9: Physical and chemical properties

Physical state	: Liquid
Colour	: Grey.
Odour	: Odourless
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: No data available
Relative density	: 1.4
Solubility	: Soluble in water.
Partition coefficient n-octanol/water	: No data available
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: 0 % (ww)
Fat solubility	: No data available

### SECTION 10: Stability and reactivity

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Heat. Incompatible materials.
Incompatible materials	: Antifreeze. Oxidizing materials.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon. Oxides of sulfur. Metal oxides.

### SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

#### Sodium silicate (1344-09-8)

LD50 oral rat	1960 mg/kg
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Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.
Aspiration hazard	: Not classified.

#### Sodium silicate (1344-09-8)

Animal studies and expert judgment for classification	False
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Other information : Likely routes of exposure: ingestion, inhalation, skin and eye

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according to the Work Health and Safety (WHS) Regulations

### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

#### 12.1. Ecotoxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified.  
Hazardous to the aquatic environment, long-term (chronic) : Not classified.  
Other information : No other effects known.

Sodium silicate (1344-09-8)	
LC50 - Fish [1]	301 – 478 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
LC50 - Fish [2]	3185 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
BCF - Fish [1]	(no bioaccumulation expected)

#### 12.2. Persistence and degradability

Ceramic Motor Seal	
Persistence and degradability	Not established.

#### 12.3. Bioaccumulative potential

Ceramic Motor Seal	
Bioaccumulative potential	Not established.

Sodium silicate (1344-09-8)	
BCF - Fish [1]	(no bioaccumulation expected)

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone : Not classified.  
Other adverse effects : No additional information available

Ceramic Motor Seal	
Fluorinated greenhouse gases	False

Sodium silicate (1344-09-8)	
Fluorinated greenhouse gases	False

### SECTION 13: Disposal considerations

Product/Packaging disposal recommendations : Recycle empty containers where allowed. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
Additional information : Do not reuse container. Empty containers may contain residues which are hazardous.

### SECTION 14: Transport information

#### 14.1. UN number

UN-No. (ADG) : Not regulated  
UN-No. (IMDG) : Not regulated

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UN-No. (IATA) : Not regulated

### 14.2. UN Proper Shipping Name

Proper Shipping Name (ADG) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated

### 14.3. Transport hazard class(es)

#### ADG

Transport hazard class(es) (ADG) : Not regulated

#### IMDG

Transport hazard class(es) (IMDG) : Not regulated

#### IATA

Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing group

Packing group (ADG) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated

### 14.5. Environmental hazards

Marine pollutant : No  
Dangerous for the environment : No  
Other information : No supplementary information available.

### 14.6. Special precautions for user

Specific storage requirement : No data available  
Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available.  
Special transport precautions : Keep container tightly closed. Always keep container in upright position. - Ensure that containers are firmly secured. Ensure personnel is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Do not handle until all safety precautions have been read and understood.

#### Transport by road and rail

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

### 15.2. International agreements

No additional information available

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according to the Work Health and Safety (WHS) Regulations

### SECTION 16: Other information

Revision date : 16/03/2023  
Expiry date : 16/03/2028  
Other information : None.  
Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)



Classification	
Skin Irrit. 2	H315
Eye Dam. 1	H318

Full text of H-statements	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage

Safety Data Sheet (SDS), Australia - Nexreg 2022

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