

# Material Safety Data Sheet



## Suniso 4SA

### COMPANY DETAILS

|                     |   |
|---------------------|---|
| <b>Company Name</b> | <b>GORDON BROTHERS INDUSTRIES PTY LTD</b>                 |
| <b>Address</b>      | 21 Michael Street<br>Brunswick 3056<br>Victoria Australia |
| <b>Telephone</b>    | 1 800 659 934   |

### IDENTIFICATION

|                             |                           |
|-----------------------------|---------------------------|
| <b>Product Code</b>         |                           |
| <b>Product Name</b>         | <b>Suniso 4SA</b>         |
| <b>Proper Shipping Name</b> | None Allocated            |
| <b>Other Names</b>          | None Listed               |
| <b>UN Number</b>            | None Allocated            |
| <b>DG Class</b>             | None Allocated            |
| <b>Packing Group</b>        | None Allocated            |
| <b>Hazchem Code</b>         | None Allocated            |
| <b>Poisons Schedule</b>     | Not Scheduled             |
| <b>Product Use</b>          | Ammonia Refrigeration oil |

### Physical Data

|                            |                           |
|----------------------------|---------------------------|
| <b>Appearance</b>          | Clear pale yellow liquid. |
| <b>Melting Point</b>       | Not available             |
| <b>Boiling Point</b>       | Not available             |
| <b>Vapour Pressure</b>     | <0.03Pa @ 25°C            |
| <b>Specific Gravity</b>    | 0.90                      |
| <b>Flash Point</b>         | >176°C (COC)              |
| <b>Flamm. Limit LEL</b>    | Not available             |
| <b>Flamm. Limit UEL</b>    | Not available             |
| <b>Solubility in Water</b> | Insoluble                 |

### Other Properties

|                            |   |
|----------------------------|---|
| <b>Volatile Component</b>  | Negligible  |
| <b>Vapour Density</b>      | > 10 (air=1)  |
| <b>Odour</b>               | Slight odour  |
| <b>Viscosity</b>           | Not available   |
| <b>Stability</b>           | Stable under normal conditions of storage and handling. |
| <b>Haz. Polymerization</b> | Will not occur.   |
| <b>Materials to Avoid</b>  | Strong oxidising agents.                                |
| <b>Ingredients</b>         |   |

**Information on Composition** The manufacturer has had this product tested in accordance with IP346. This product contains less than 3%w/w DMSO

# Material Safety Data Sheet



## Suniso 4SA

extract for total polycyclic aromatics and is therefore non hazardous.

| Name                  | CAS | Proportion |
|-----------------------|-----|------------|
| Petroleum hydrocarbon |     | 90-100 %   |
| Additives             |     | 1-10 %     |

## HEALTH HAZARD INFORMATION

### Health Effects

|                               |   |
|-------------------------------|---|
| <b>Acute - Swallowed</b>      | May cause irritation of the gastrointestinal tract with nausea, vomiting and diarrhoea.   |
| <b>Acute - Eye</b>            | Eye contact may cause mild irritation with redness, stinging and tearing.   |
| <b>Acute - Skin</b>           | May dry and defat the skin, resulting in skin irritation and possible dermatitis.   |
| <b>Acute - Inhaled</b>        | Inhalation of vapours or mists generated in confined, poorly ventilated areas or at elevated temperatures, may cause respiratory system irritation, headache, dizziness and nausea. |
| <b>Hazards Identification</b> | Prolonged or repeated contact may result in skin irritation leading to dermatitis.  |
| <b>Chronic</b>                |   |

### First Aid

|                             |   |
|-----------------------------|---|
| <b>Swallowed</b>            | DO NOT INDUCE VOMITING. Wash out mouth with water and give water to drink. Seek medical attention.  |
| <b>Eye</b>                  | If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.                |
| <b>Skin</b>                 | Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.  |
| <b>Inhaled</b>              | Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop seek medical attention. |
| <b>First Aid Facilities</b> | Eye wash and normal wash room facilities.   |

### Advice to Doctor

|                         |                        |
|-------------------------|------------------------|
| <b>Advice to Doctor</b> | Treat symptomatically. |
|-------------------------|------------------------|

## PRECAUTIONS FOR USE

# Material Safety Data Sheet



## Suniso 4SA

**Exposure Limits** No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However, Exposure Standards for oil mist are listed below.

**Eng. Controls**

SUBSTANCE TWA STEL  
ppm mg/m<sup>3</sup> ppm mg/m<sup>3</sup>  
Oil mist, mineral - 5 - 10

Natural ventilation should be adequate under normal conditions of use. Where vapours or mists are generated and exposure standards are exceeded, the use of respiratory protection, or a local exhaust ventilation system is recommended.

### Personal Protection

**Respirator Type (AS 1716)** Where vapours, mists or spray is generated and exposure standards are exceeded, select and use respirators in accordance with AS/NZS 1715/1716. The use of the following is recommended: Approved respirator with dual organic vapour/mist filters. Filter capacity and respirator type depends on exposure levels for each individual circumstance.

**Eye Protection** If possibility of eye contact exists safety glasses with side shields or goggles should be worn as described in Australian Standard AS/ANZ 1337- Eye Protectors for Industrial Applications.

**Glove Type** Neoprene rubber gloves should be worn to minimise skin contact.

**Clothing** Any routine contact with this material should require the use of protective clothing such as an apron made of neoprene rubber suitable for the application.

### Flammability

**Fire Hazards** Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition.

## SAFE HANDLING INFORMATION

### Storage and Transport

**Storage Precautions** Store in a cool, dry, well ventilated area away from sources of ignition. This product should be stored away from foodstuffs and strong oxidising agents. Minimum feasible handling temperatures should be maintained. For information on the design of the store-room reference should be made to

# Material Safety Data Sheet



## Suniso 4SA

|                             |   |
|-----------------------------|---|
| <b>Transport</b>            | Australian Standard AS1940- The storage and handling of flammable and combustible liquids. Reference should also be made to any relevant Commonwealth, State or Territory regulations.<br>Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.  |
| <b>Handling</b>             | Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented. Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurise or expose to open flame or heat. Keep container closed and bung in place. |
| <b>Proper Shipping Name</b> | None Allocated  |

## Spills and Disposal

|                           |  |
|---------------------------|--|
| <b>Spills &amp; Leaks</b> | Remove sources of ignition. Stop the source of the leak or release and contain spill if possible. Ventilate area. Use respirator and protective clothing to minimise exposure. Cover spill with a generous amount of inert absorbent. Collect and place in a labelled disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with additional absorbent and place in a labelled disposable container. Prevent contamination of groundwater or surface water. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority. |
| <b>Disposal</b>           | Dispose of waste according to federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.   |

## Fire/Explosion Hazard

|  |   |
|--|---|
| <b>Fire/Explos. Hazard</b>                   | Combustible liquid. This product will burn if exposed to fire.  |
| <b>Hazardous Decomposition or Byproducts</b> | Oxides of carbon.   |
| <b>Fire Fighting Procedures</b>              | For fires involving this material, do not enter any enclosed or confined space without AS/NZS 1716 approved Self-contained breathing apparatus (S.C.B.A.) to protect against the hazardous effects of combustion products or oxygen deficiency. |
| <b>Extinguishing Media</b>                   | Use dry chemical, foam, water fog or carbon dioxide. Use water fog to cool fire-exposed containers. Do NOT use direct stream of water as this may assist in spreading fire.   |
| <b>Hazchem Code</b>                          | None Allocated  |

# Material Safety Data Sheet



## Suniso 4SA

---

### OTHER INFORMATION

---

|                               |   |
|-------------------------------|---|
| <b>Toxicology</b>             | Acute toxicity: LD50 >5g/kg   |
| <b>Environment Protection</b> | This material must not be allowed to enter drains, sewers or waterways.   |
| <b>References</b>             | REGULATIONS SPECIFICALLY APPLICABLE TO THE CHEMICAL PRODUCT: COMMONWEALTH OF AUSTRALIA: Respirators must follow AS1715/1716 standard for approved respirators.<br>NEW ZEALAND: Respirators must follow NZS 1715/1716 standard for approved respirators.<br>INTERNATIONAL (ALL COUNTRIES): In the absence of local approved authorities, follow U.S. NIOSH/MSHA, U.K. BSI, Australian AS1715/1716, or New Zealand NZS 1715/1716 standards.<br>AUSTRALIA POISON SCHEDULE: Not applicable.<br>NZ DANGEROUS GOODS CLASS: Not applicable.<br>NZ TOXIC SUBSTANCES SCHEDULE: Not applicable. |

---

### CONTACT POINT

---

|                |  |
|----------------|--|
| <b>Contact</b> | <b>GORDON BROTHERS INDUSTRIES PTY LTD</b><br><b>Tel: 1 800 659 934</b><br>PLEASE NOTE that although every care has been taken in compiling the above information, it is solely reliant upon data available to us at the date hereof. We believe the data to be correct, however for the reason just stated we are not in a position to warrant its accuracy. With that in mind and given that the full range of possibilities and conditions under which the information may be applied simply cannot be anticipated, YOU ARE CAUTIONED to make your own determinations as to the veracity and the suitability of the information to the particular circumstances that apply, or may apply, to you from time to time. Consistent with that approach it is recommended that where you have a particular purpose which would |
|----------------|--|

# Material Safety Data Sheet



## Suniso 4SA

necessitate a reliance on information of the nature herein you obtain your own independent expert advice particularly structured to the relevant purpose. If this material is printed, circulated, distributed or copied in any manner, it is not to be modified without prior written permission, and further, it is to include the wording of the above disclaimer.