

## SAFETY DATA SHEET

# Soda Ash Dense

### SECTION 01 - IDENTIFICATION

|                               |  |
|-------------------------------|--|
| Product identifier            | Soda Ash Dense   |
| Other means of identification | Carbonic acid disodium salt; Carbonic acid; Disodium salt; Disodium carbonate; Soda Ash; Sodium carbonate; Sodium carbonate, anhydrous |
| Recommended use of chemical   | Glass manufacturing, chemical manufacturing, pulp and paper, water treatment and pH control, soap and detergent.                       |
| Supplier name                 | Ixom Operations Pty Limited trading as LogiChem  |
| Supplier address              | Lot 33 Bulong Road Parkeston-Kalgoorlie, Australia<br>PO Box 878 Kalgoorlie WA 6433 Australia  |
| Supplier phone                | 1800 033 111 / Int. +61 (0) 3 9663 2130  |
| 24 Hour emergency phone       | 1800 033 111   |

### SECTION 02 – HAZARD(S) IDENTIFICATION

|                          |  |
|--------------------------|--|
| Classification           | Serious Eye Damage / Irritation – Category 1<br>Specific Target Organ Toxicity (Single Exposure) – Category 3  |
| Signal word              | Danger   |
| Hazard statements        | H318 – Causes serious eye damage.<br>H335 – May cause respiratory irritation.  |
| Precautionary statements | <p><b>Prevention</b></p> <p>P261 – Avoid breathing dust.<br/>P271 – Use only outdoors or in a well-ventilated area.<br/>P280 – Wear protective gloves / protective clothing / eye protection / face protection.</p> <p><b>Response</b></p> <p>P304 / P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br/>P305 / P351 / P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br/>P310 – Immediately call a POISON CENTRE or doctor / physician.<br/>P312 – Call a POISON CENTRE or doctor / physician if you feel unwell.</p> <p><b>Storage</b></p> <p>P403 / P233 – Store in a well-ventilated place. Keep container closed.<br/>P405 – Store locked up.</p> <p><b>Disposal</b></p> <p>P501 – Dispose of contents / container in accordance with local / regional / national / international regulations.</p> |



### SECTION 03 – COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Components | Cas No:  | Proportion % w/w |
|---------------------|----------|------------------|
| Sodium Carbonate    | 497-19-8 | 99.8%            |

### SECTION 04 – FIRST AID MEASURES

|   |  |
|---|--|
| Description of necessary first aid measures | <p><b>Eye</b> – Immediately flush eyes with copious amounts of water for at least 15 minutes. Eyelids to be held open. If symptoms persist seek medical attention.</p> <p><b>Ingestion</b> – If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended.</p> |
|---|--|

**SAFETY DATA SHEET**

**Soda Ash Dense**

|                                       |  |
|---------------------------------------|--|
|                                       | <p><b>Inhalation</b> – Remove victim from exposure or move the victim to fresh air. Ensure airways are clear and have a qualified person give oxygen through a face mask if breathing is difficult. If irritation persists, seek medical attention.</p> <p><b>Skin</b> – Remove contaminated clothing and immediately flush skin with water and mild soap if available, for at least 20-30 minutes. Wash all clothing before reuse. If swelling, redness, blistering or irritation occurs seek medical advice.</p> |
| Medical attention / special treatment | Treat symptomatically based on judgement of doctor and individual reactions of patient.  |
| Symptoms caused by exposure           | Not available  |

**SECTION 05 – FIRE FIGHTING MEASURES**

|  |   |
|--|---|
| Suitable extinguishing media                                 | In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions. Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.  |
| Specific hazards arising from the chemical                   | Carbon oxides, Sodium oxides.   |
| Special protective equipment & precautions for fire fighters | <p>Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots and gloves).</p> <p>Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.</p> <p>Do NOT allow firefighting water to reach waterways, drains or sewers. Store firefighting water for treatment.</p> |

**SECTION 06 – ACCIDENTAL RELEASE MEASURES**

|   |  |
|---|--|
| Personal precautions, protective equipment and emergency procedures | Avoid accidents, clean up immediately. Slippery when spilt. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Use clean, non-sparking tools and equipment. Personnel involved in the clean up should wear full protective clothing as listed in section 08.           |
| Environmental precautions   | Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.  |
| Methods and materials for containment and cleaning up.              | Contain and sweep / shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled containers and dispose of promptly. Large spills should be handled according to a predetermined plan. Decontaminate tools and equipment following clean up. Clean up residual material by washing area with water. |

**SECTION 07 – HANDLING AND STORAGE**

|   |  |
|---|--|
| Precautions for safe handling                             | Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product dust.  |
| Conditions for Safe Storage (Including Any Incompatibles) | Store in original packaging as approved by manufacturer. Store in a cool, dry, well ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as list in section 10. Protect from direct sunlight, moisture and static discharges. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. |

**SECTION 08 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

|                               |  |
|-------------------------------|--|
| Control parameters – exposure | No exposure standard has been established for this product by Safe Work Australia. |
|-------------------------------|--|

**SAFETY DATA SHEET**

**Soda Ash Dense**

|                                     |  |
|-------------------------------------|--|
| standards, biological monitoring    | However, the exposure standard for dust not otherwise specified is 10mg/m <sup>3</sup> (for inspirable dust) and 3mg/m <sup>3</sup> (for respirable dust). NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. |
| Appropriate engineering controls    | A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.   |
| Personal protective equipment (PPE) | <b>Clothing</b> – Long-sleeved protective clothing (AS3765/2210).<br><b>Eyes</b> –Protective glasses or goggles should be worn when this product is being used (AS1336/1337).<br><b>Footwear</b> –Safety footwear (AS3765/2210).<br><b>Gloves</b> – Wear suitable impervious elbow-length gloves (AS2161).<br><b>Other</b> – RESPIRATOR: Air-purifying (half-mask / full-face)   |

**SECTION 09 – PHYSICAL AND CHEMICAL PROPERTIES**

|  |                      |
|--|----------------------|
| Appearance                                       | White granular solid |
| Odour  | Odourless            |
| Odour threshold                                  | Not available        |
| pH   | 11.3 1% solution     |
| Melting point/freezing point                     | 851 °C               |
| Specific gravity (water = 1)                     | 2.53                 |
| Boiling point and boiling range                  | Not available        |
| Flash point                                      | Not available        |
| Evaporation rate                                 | Not available        |
| Flammability                                     | Not available        |
| Upper/lower flammability or explosive limits     | Not available        |
| Vapour pressure (hPa @ 20°C)                     | Not available        |
| Vapour density                                   | Not available        |
| Relative density                                 | Not available        |
| Solubility(ies) (water)                          | 217 g/l 20 °C        |
| Partition coefficient: n-octanol/water           | Not available        |
| Auto-ignition temperature                        | Not available        |
| Decomposition temperature                        | 400 °C               |
| Viscosity  | Not available        |
| Specific heat value                              | Not available        |
| Particle size                                    | Not available        |
| Volatile organic compounds content               | Not available        |
| % volatile                                       | Not available        |
| Saturated vapour concentration                   | Not available        |
| Release of invisible flammable vapours and gases | Not available        |

**SECTION 10 – STABILITY AND REACTIVITY**

|            |   |
|------------|---|
| Reactivity | This product is unlikely to react under normal storage conditions. The product will not undergo polymerisation reactions. |
|------------|---|

**SAFETY DATA SHEET**

**Soda Ash Dense**

|                                  |   |
|----------------------------------|---|
| Chemical stability               | Product is stable under normal conditions or use, storage and temperature.  |
| Conditions to avoid              | Extreme heat; Hygroscopic. Protect from moisture. Mixing of acid and sodium carbonate solutions could cause carbon dioxide evolution. |
| Incompatible materials           | Aluminium, Fluorine, humid air, moisture, sulfuric acid, acids, Magnesium, Phosphorus Pentoxide.                                      |
| Hazardous decomposition products | Decomposition temperature 400 °C. Decomposition product: carbon dioxide.  |

**SECTION 11- TOXICOLOGICAL INFORMATION**

|   |  |
|---|--|
| Information on routes of exposure                           | <p><b>Eyes</b> – May cause severe irritation, redness, or swelling.</p> <p><b>Ingestion</b> - May cause gastrointestinal irritation, nausea, vomiting or diarrhea.</p> <p><b>Inhalation</b> – May cause upper respiratory tract, lung, and irritation to mucus membranes.</p> <p><b>Skin</b> – May cause itching, redness, or swelling.</p>  |
| Symptoms related to exposure                                | Not available  |
| Numerical measures of toxicity                              | <p>Acute Eye Irritation: Toxicological Information and Interpretation<br/>Eye – Eye Irritation, 25mg/Kg, Rabbit. Severely Irritating; muscle contraction or spasticity.</p> <p>Acute Skin Irritation: Toxicological Information and Interpretation<br/>Skin – 500mg/24 hour Skin Irritation, Rabbit. Mildly irritating.</p> <p>Acute Inhalation Toxicity: Toxicological Information and Interpretation<br/>LD50 – Lethal Concentration. 50% of test species, 2,300 mg/cu m/2hr, rat.</p> <p>Acute Oral Toxicity: Toxicological Information and Interpretation<br/>LD50 – Lethal dose. 50% of test species, 4,090 mg/kg, rat.</p> |
| Immediate, delayed and chronic health effects from exposure | This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be “probably” or “suspected” human carcinogens.  |
| Exposure levels   | Not available  |
| Interactive effects   | Not available  |
| Data limitations  | Not available  |

**SECTION 12- ECOLOGICAL INFORMATION**

|                               |   |
|-------------------------------|---|
| Ecotoxicity                   | <p>Toxicity</p> <p>Toxicity to fish LC50 – Lepomis macrochirus (Bluegill) – 300 mg/l – 96 h</p> <p>Toxicity to daphnia and other aquatic invertebrates EC50 – Daphnia magna (Water flea) – 265 mg/l – 48h</p> |
| Persistence and degradability | Not available   |
| Bioaccumulative potential     | Not available   |
| Mobility in soil              | Not available   |
| Other adverse effects         | Not available   |

**SECTION 13 – DISPOSAL CONSIDERATIONS**

|  |   |
|--|---|
| Safe handling and disposal methods     | Dispose of in accordance with all local, state and federal regulations.   |
| Disposal of any contaminated packaging | All empty packaging should be disposed of in accordance with all local, state and federal regulations or recycled /reconditioned at an approved facility. Rinse containers before disposal. |
| Environmental regulations              | Dispose of in accordance with all local, state and federal regulations.   |

**SECTION 14 – TRANSPORT INFORMATION**

|                      |                |
|----------------------|----------------|
| UN number            | Not applicable |
| Proper shipping name | Soda Ash Dense |



## SAFETY DATA SHEET

### Soda Ash Dense

|                                      |                |
|--------------------------------------|----------------|
| Transport hazard class(es)           | Not applicable |
| Subsidiary risk                      | Not applicable |
| Packaging group                      | Not applicable |
| Environmental hazards                | Not available  |
| Special precautions during transport | Not available  |
| Hazchem code                         | Not applicable |

#### SECTION 15 - REGULATORY INFORMATION

|                         |        |
|-------------------------|--------|
| AICS name               | Listed |
| Poisons Schedule number | 5      |

#### SECTION 16 - OTHER INFORMATION

|                           |   |
|---------------------------|---|
| SDS creations date        | March 2014  |
| Most recent revision date | 01 February 2018                                    |
| Revision number           | 003<br><b>THIS ISSUE NUMBER REPLACES ALL ISSUES</b> |
| Reason for revision       | Annual Update                                       |
| Contact person            | Ixom 1800 033 111                                   |

*Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.*

**END OF SDS**