

## **HASA SODA ASH**

## **Material Safety Data Sheet**

Emergency 24 Hour Telephone: CHEMTREC 800.424.9300

Corporate Headquarters: Hasa Inc.

23119 Drayton Street
Saugus, California 91350
Telephone • 661.259.5848
Fax • 661.259.1538

|     | SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION |                         |  |  |
|-----|--|-------------------------|--|--|
| 1.1 | Product Identification:                                |                         |  |  |
|     | 1.1.1  | Product Name:           | HASA SODA ASH  |  |
|     | 1.1.2  | CAS #:                  | 497-19-8   |  |
|     | 1.1.3  | RTECS:                  | VZ4050000  |  |
|     | 1.1.4  | EINECS:                 | 207-838-8  |  |
|     | 1.1.5  | Chemical Name:          | Sodium Carbonate, Anhydrous  |  |
|     | 1.1.6  | Chemical Formula:       | Na <sub>2</sub> CO <sub>3</sub>  |  |
|     | 1.1.7  | Formula Weight:         | 106 g/mole (anhydrous)   |  |
|     | 1.1.8  | Chemical Family:        | Inorganic sodium salt.   |  |
|     | 1.1.9  | Synonym:                | Crystal Carbonate; Disodium Carbonate, Sal Soda; Washing Soda, carbonic acid, disodium salt. |  |
| 1.2 | Reco   | mmended Use:            | It is commonly used for pH adjustment in water or wastewater.                                |  |
| 1.3 | Com  | pany Identification:    | Hasa Inc.  |  |
|     |  |                         | 23119 Drayton Street   |  |
|     |  |                         | Saugus, California 91350   |  |
| 1.4 | Emer   | gency Telephone Number: | CHEMTREC (24 Hour):  |  |
|     |  |                         | 1-800-424-9300   |  |
| 1.5 | Non-   | Emergency Assistance:   | 661-259-5848   |  |
|     |  |                         | (8 AM – 5 PM PST / PDT)  |  |

|     | SECTION 2: EMERGENCY OVERVIEW and HAZARD IDENTIFICATION |  |  |  |  |
|-----|---|--|--|--|--|
| 2.1 | Emergency Overview:                                     | White, odorless, non-combustible granular solid. Reacts with acids to release carbon dioxide gas and heat. Irritation to the eyes and irritating with continuous skin contact. Not toxic to the environment and aquatic organisms. May be harmful if swallowed or inhaled. |  |  |  |
| 2.2 | Hazards Identification:                                 | Irritant. Hazardous in case of skin or eye contact, ingestion or inhalation.   |  |  |  |
| 2.3 | Acute Hazards:  |  |  |  |  |
|     | 2.3.1 <b>Eyes:</b>                                      | Severely irritating to eyes. Avoid contact with eyes.  |  |  |  |
|     | 2.3.2 Inhalation:                                       | Inhalation of dust in high concentration may cause irritation of respiratory system.   |  |  |  |
|     | 2.3.3 <b>Skin:</b>                                      | Hazardous in case of skin contact (irritant).  |  |  |  |
| 2.4 | Chronic Hazards:  | No carcinogenic effects, mutagenic effects, teratogenic effects, or evidence of developmental toxicity. The substance may be toxic to upper respiratory tract, skin, and eyes. Repeated or prolonged exposure to the substance can produce target organs damage.           |  |  |  |

| SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS |          |          |                      |  |
|---|----------|----------|----------------------|--|
| Ingredient  | Synonym  | CAS No.  | Weight %             |  |
| Sodium Carbonate, Anhydrous                       | Soda Ash | 497-19-8 | <b>Weight %</b> 100% |  |

|     |   | SECTION 4: FIRST AID MEASURES  |  |  |  |
|-----|---|--|--|--|--|
| 4.1 | IF IN EYES  | Hold eye open and rinse slowly and gently with water for 15-20 minutes.  |  |  |  |
|     |   | • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.   |  |  |  |
|     |   | Call a poison control center or doctor for treatment advice.   |  |  |  |
| 4.2 | IF ON SKIN OR   | Take off contaminated clothing.  |  |  |  |
|     | CLOTHING  | Rinse skin immediately with plenty of water for 15-20 minutes.   |  |  |  |
|     |   | Call a poison control center or doctor for treatment advice.   |  |  |  |
| 4.3 | IF INHALED  | Move person to fresh air.  |  |  |  |
|     |   | • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.                           |  |  |  |
|     |   | Call a poison control center or doctor for further treatment advice.   |  |  |  |
| 4.4 | IF SWALLOWED  | <ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> </ul> |  |  |  |
|     |   | <ul> <li>Do not induce vomiting unless told to do so by a poison control center or<br/>doctor.</li> </ul>  |  |  |  |
|     | <ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>                     |  |  |  |  |
|     | HOT LINE NUMBER   |  |  |  |  |
| На  | Have the product container or label with you when calling a poison control center or doctor, or |  |  |  |  |

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

## **NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.

|      | SECTION   | 5: FIRE FIGHTING MEASURES  |
|------|---|--|
| 5.1  | Flammability:                                   | Non-combustible.   |
| 5.2  | Auto-Ignition Temperature:                      | Not applicable.  |
| 5.3  | Flash Point:                                    | Not flammable  |
| 5.4  | Flammable Limits:                               | Not applicable.  |
| 5.5  | Products of Combustion:                         | Emits sodium oxide (Na <sub>2</sub> O) fumes when heated to decomposition.   |
| 5.6  | Fire Hazards in Presence of Various Substances: | Sodium carbonate can ignite and burn fiercely in contact with fluoride. Sodium carbonate in contact with fluorine decomposed at ordinary temperature with incandescence. |
| 5.7  | Fire Fighting Media and Instructions:           | Use any appropriate means of fire extinguishing for surrounding media.   |
| 5.8  | Explosion Hazards:                              | Not considered an explosion hazard. Reacts explosively with red-hot aluminum metal. Sodium carbonate + ammonia in Arabic gum solution will explode.                      |
| 5.9  | Sensitivity to Mechanical Impact:               | Not sensitive.   |
| 5.10 | Sensitivity to Static<br>Discharge:             | Not sensitive.   |

|     | SECTION 6: ACCIDENTAL RELEASE MEASURES |   |  |  |
|-----|--|---|--|--|
| 6.1 | Small Spill:                           | Use in pool or spa if possible. If not, use appropriate tools to put the spilled solid in a convenient waste container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Avoid breathing dust. |  |  |
| 6.2 | Large Spill:                           | Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Avoid breathing dust.  |  |  |

|     | SECTION 7: HANDLING AND STORAGE |  |  |  |
|-----|---------------------------------|--|--|--|
| 7.1 | Handling:                       | Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as acids. |  |  |
| 7.2 | Storage:                        | Hygroscopic. Keep container tightly closed. Keep container in a cool, well ventilated area.  |  |  |

|     | SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION |                                       |  |  |
|-----|--|---------------------------------------|--|--|
| 8.1 | Engineering Controls:                              |                                       | Use local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.  |  |
| 8.2 | Perso  | nal Protection Equipme                |  |  |
|     | 8.2.1  | Eyes:                                 | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: safety glasses with side-shields or face shield.   |  |
|     | 8.2.2 Respiratory:                                 |                                       | Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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. Recommended: dust respirator for daily operation and self contained breathing apparatus should be used during a spill. |  |
|     | 8.2.3  | Skin:                                 | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: coverall.   |  |
|     | 8.2.4  | Hands:                                | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: nitrile rubber.   |  |
| 8.3 | Expos  | sure Limits:                          |  |  |
|     | 8.3.1  | Federal OSHA<br>Guidelines:           | Federal guidelines treat the ingredient(s) in this product as a nuisance dust, as no product-specific guidelines have been issued for exposure. As with all nuisance dusts, worker breathing zone concentrations should be measured by validated sampling and analytical methods.  |  |
|     | 8.3.2  | Particulates Not Otherwise Regulated: | OSHA (PEL / TWA):  15 mg/m³ (total dust)  5 mg/m³ (resp fraction)  |  |

|      | SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES |   |  |  |
|------|---|---|--|--|
| 9.1  | Physical State and Appearance:              | White Solid. (powder)   |  |  |
| 9.2  | Odor:                                       | Odorless  |  |  |
| 9.3  | Odor Threshold:                             | Not applicable.   |  |  |
| 9.4  | Taste:                                      | Saline  |  |  |
| 9.5  | Color:                                      | White.  |  |  |
| 9.6  | pH (1% solution):                           | 11.5  |  |  |
| 9.7  | Boiling Point:                              | Not applicable.   |  |  |
| 9.8  | Melting Point:                              | 851°C (1563.8°F)  |  |  |
| 9.9  | Freezing Point:                             | No data available.  |  |  |
| 9.10 | Critical Temperature:                       | Not applicable.   |  |  |
| 9.11 | Bulk Density:                               | 0.86 - 1.12 g/cm <sup>3</sup> (Dense grades)  |  |  |
|      | -   | 53.7 - 70 pounds /cubic foot  |  |  |
| 9.12 | Vapor Pressure:                             | No information available.   |  |  |
| 9.13 | Vapor Density:                              | Not available.  |  |  |
| 9.14 | Volatility:                                 | Not volatile.   |  |  |
| 9.15 | Water / Oil Distribution Coefficient:       | Not applicable.   |  |  |
| 9.16 | Dispersion Properties:                      | Not applicable.   |  |  |
| 9.17 | Solubility in Water:                        | 212 g/L water at 20°C   |  |  |
| 9.18 | Solubility:                                 | Soluble in hot water, glycerol. Partially soluble in cold water. Insoluble in acetone, alcohol. |  |  |

|      | SECTION 10: STABILITY AND REACTIVITY     |  |  |
|------|--|--|--|
| 10.1 | Stability:                               | Soda Ash is stable.  |  |
| 10.2 | Instability Temperature:                 | Not available.   |  |
| 10.3 | Conditions of Instability:               | Incompatible materials, moisture   |  |
| 10.4 | Incompatibility with Various Substances: | Reactive with acids. Slightly reactive with moisture. Avoid powered aluminum.  |  |
| 10.5 | Corrosivity:                             | Non-corrosive in presence of glass.  Hot concentrated solutions of sodium carbonate are mildly corrosive to steel.   |  |
| 10.6 | Special Remarks on Reactivity:           | Hygroscopic. Combines with water with evolution of heat. Incompatible with phosphorus pentoxide, lithium, fluorine, fluoride, ammonia + silver nitrate, 2, 4, 6 trinitrotoluene, ammonia, acids, sodium sulfide + water, hydrogen peroxide, red hot aluminum metal, sodium sulfide, zinc, calcium hydroxide. Sodium Carbonate is decomposed by acids with effervescence. Reacts violently with fluorine gas, lithium, and 2, 4, 6 – trinitrotoluene. Sodium carbonate begins to decompose at 400°C to evolve CO <sub>2</sub> . |  |
| 10.7 | Hazardous Decomposition Products:        | Sodium oxides.   |  |
| 10.8 | Hazardous Polymerization:                | Will not occur.  |  |

|      | SECTION 11: TOXICOLOGICAL INFORMATION                      |  |  |  |  |
|------|--|--|--|--|--|
| 11.1 | Routes of Entry:   | Inhalation, ingesti  | on.  |  |  |
| 11.2 | Animal Toxicity:   |  |  |  |  |
|      | 11.2.1 <b>Oral</b> (LD <sub>50</sub> ):                    | 2800 mg/kg [rat]   |  |  |  |
|      | 11.2.2 <b>Dermal</b> (LD <sub>50</sub> ):                  | > 2000 mg/kg [rat  | obit]  |  |  |
|      | 11.2.3 <b>Inhalation</b> (LC <sub>50</sub> ):              | 800 mg/m <sup>3</sup> [guine   | a pig]   |  |  |
|      | 11.2.4 Toxicity dust (LC <sub>50</sub> )                   | : 1200 mg/m <sup>3</sup> 2 hou   | urs [Mouse]. Toxic if inhaled.   |  |  |
| 11.3 | Special Remarks on Toxio                                   | LDLo (lowest pub<br>Oral; 714 mg/kg.   | lished lethal dose) [Man] - Route:   |  |  |
| 11.4 | respiratory tract, skin, and e inhalation (lung irritant). | eyes. Hazardous in case of   | lay cause damage to the upper skin contact (irritant), of ingestion, of  |  |  |
|      | 11.4.1 <b>Eyes:</b>  | solutions may cau<br>(permanent corne  |  |  |  |
|      | 11.4.2 Inhalation:   | membrane irritatio   | espiratory tract and mucous on with coughing and shortness of pulmonary edema.   |  |  |
|      | 11.4.3 <b>Dermal:</b>                                      |  | ion with possible burns depending on site (abraded or intact skin), and ure.   |  |  |
|      | 11.4.4 Ingestion:  | digestive tract res<br>thirst, abdominal p   | e ingestion may cause irritation of the ulting in nausea, vomiting, diarrhea, pain depending on concentration and May also affect the cardiovascular   |  |  |
| 11.5 | Chronic Human Health Ef from Overexposure:                 | function, nasal co<br>the nasal septum.<br>skin (dermatitis ar<br>complaints. Howe | may result in decreased pulmonary ngestion, nosebleeds, perforation of Other effects of chronic exposure are nd ulceration), and gastrointestinal ver, the effects of chronic exposure sible if exposure is decreased. |  |  |
| 11.6 | Special Remarks on Chro Effects on Humans:                 | nic May cause advers animal test data.   | se reproductive effects based on   |  |  |
| 11.7 | Carcinogenic [Cancer Pot                                   |  |  |  |  |
|      | 11.7.1 <b>NTP</b> (National Toxico<br>Report on Carcinogen |  | Not Listed.  |  |  |
|      | 11.7.2 <b>IARC</b> (International A Cancer Monographs, V   |  | Not Listed.  |  |  |
|      | 11.7.3 <b>OSHA</b> (Occupational Administration)           | •  | Not Listed.  |  |  |
|      | Industrial Hygienists)                                     | nference of Governmental   | Not Listed.  |  |  |
|      | 11.7.5 <b>Proposition 65, Cal</b>                          | ifornia only:  | See Section 15.2.1   |  |  |

|      | SECTION 12: ECOLOGICAL INFORMATION                     |  |  |  |
|------|--|--|--|--|
| 12.1 | 2.1 Ecotoxicity:                                       |  |  |  |
|      | 12.1.1 <b>Fish:</b>                                    | LC <sub>50</sub> = 300 mg/L Lepomis macrochirus 96 h<br>LC <sub>50</sub> <310-1220 mg/L Pimephales promelas 96 h |  |  |
|      | 12.1.2 <b>Daphnia and other Aquatic Invertebrates:</b> | $EC_{50} = 265 \text{ mg/L } 48 \text{ h}$   |  |  |
|      | 12.1.3 <b>Algae:</b>                                   | 242 mg/L EC <sub>50</sub> 120 h (Nitzschia)  |  |  |
| 12.2 | BOD and COD:   | Not available.   |  |  |
| 12.3 | Products of Biodegradation:                            | Biodegradation does not pertain to inorganic substances.   |  |  |
| 12.4 | Toxicity of the Products of Biodegradation:            | The products of degradation are less toxic than the product itself.  |  |  |
| 12.5 | Mobility:  | Dissociates into ions.   |  |  |

## **SECTION 13: DISPOSAL CONSIDERATIONS**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

| SECTION 14: TRANSPORT INFORMATION |   |                |  |  |
|-----------------------------------|---|----------------|--|--|
| 14.1                              | US D.O.T.   | Not regulated. |  |  |
| 14.2                              | Canada TDG (Transportation of Dangerous Goods)  | Not regulated. |  |  |
| 14.3                              | ICAO (International Civil Aviation Organization):   | Not regulated. |  |  |
| 14.4                              | IMO (International Maritime Organization) IMDG (International Maritime Dangerous Goods) Code: | Not regulated. |  |  |

| SECTION 15: REGULATORY INFORMATION |   |  |   |  |                                |   |  |                  |
|------------------------------------|---|--|---|--|--------------------------------|---|--|------------------|
| 15.1                               | 5.1 U.S. Regulations:   |  |   |  |                                |   |  |                  |
|                                    | 15.1.1  | OSHA HAZ   | ZCOM (Hazard Co   | mmunication)   | unde                           |   | nsidered hazaro<br>M Standard (29  |                  |
|                                    | 15.1.2  | OSHA PSI   | <b>M</b> (Process Safety N  | Management)  |                                | regulated und<br>1910.119)  | er PSM Standa  | rd (29           |
|                                    | 15.1.3  | 15.1.3 <b>EPA FIFRA</b> (Federal Insecticide, Fungicide and Rodenticide Act)   |   | Not  | regulated as a                 | a pesticide.  |  |                  |
|                                    | 15.1.4  |  | Superfund Amendments and rization Act) 311/312  |  | Acute Health Hazard.           |   |  |                  |
|                                    | 15.1.5  | '  |   | Not regulated as hazardous substances.<br>RQ – none.                     |                                |   |  |                  |
|                                    | 15.1.6  |  | (Toxic Substance  | Control Act)   | Liste                          | d on the inve   | ntory.   |                  |
|                                    | 15.1.7 <b>EPA RCRA</b> (Resource Conservation and Recovery Act) |  | Not I   | Hazardous wa   | aste. See Section              | on 13.  |  |                  |
|                                    | 15.1.8  | <b>EPA RMP</b>   | (Risk Management  | Plan)  | Not                            | regulated. (40  | CFR 68.130)  |                  |
| 15.2                               | State   | of California  | a Regulations:  |  |                                |   |  |                  |
|                                    |   | does not por<br>manufacture<br>following list<br>evaluating y<br>shown below<br>chemical kn<br>Significant F<br>and 25709),<br>persons sub<br>demonstrate<br>level calcula<br>exposed over   | roposition 65. Several sodium carbonate samples of various product grades have been valuated. Results of these tests indicate that exposure to this sodium carbonate product oes not pose a significant risk of causing cancer or reproductive toxicity. Even though the nanufacturer is confident no significant risk is present in this product, you are notified that the billowing listed chemicals are contained in at a detectable level. This will assist you in valuating your products and any obligations you may have under the law. The impurities hown below contain the indicated concentrations of chemicals listed by California as a hemical known to cause cancer (A) or reproductive toxicity (B). Also enclosed below are Non significant Risk Levels (NSRL) for Proposition 65 carcinogens in regulation (Sections 25705 and 25709), in units of micrograms per day (µg/day). These levels provide "safe harbor" for ersons subject to the Act, and do not preclude the use of alternative levels that can be emonstrated by their users as being scientifically valid. NSRLs represent the daily intake evel calculated to result in a cancer risk of one excess case of cancer in 100,000 individuals exposed over a lifetime. |  |                                |   |  |                  |
|                                    |   | Product  | Prop. 65<br>Chemical  | Avg.<br>Concentratio<br>(ppm)  |                                | Detectable<br>Limit (ppm)   | Prop 65<br>NSRL  |                  |
|                                    |   | Sodium   | Chromium (Cr)   | 0.10   |                                |   | (µg/day)   | Listed<br>Effect |
|                                    |   | Carbonate  |   | 0.16   |                                | 0.10  | 0.001<br>(inhalation)  | Effect<br>A      |
| '                                  |   | Carbonate  | Lead (Pb)   | 0.36   |                                | 0.20  | 0.001<br>(inhalation)<br>15 (oral)                                       | A A&B            |
|                                    |   |  | Lead (Pb) Nickel refinery dust (Ni)   | 0.36<br>0.25   |                                | 0.20<br>0.05  | 0.001<br>(inhalation)  | Effect<br>A      |
|                                    | 15.2.2  | Cal ARP (0   | Lead (Pb)  Nickel refinery dust (Ni)  California Accidenta  | 0.36<br>0.25   | Not                            | 0.20  | 0.001<br>(inhalation)<br>15 (oral)                                       | A A&B            |
|                                    | 15.2.2  | Cal ARP (Cal Prevention):  | Lead (Pb) Nickel refinery dust (Ni) California Accidenta :  | 0.36<br>0.25<br>al Release   |                                | 0.20<br>0.05<br>regulated.  | 0.001<br>(inhalation)<br>15 (oral)                                       | A A&B            |
| 15.3                               | 15.2.3  | Cal ARP (0<br>Prevention):<br>CDPR (Cal<br>Regulation):  | Lead (Pb) Nickel refinery dust (Ni) California Accidenta : ifornia Department   | 0.36<br>0.25<br>al Release   |                                | 0.20<br>0.05<br>regulated.  | 0.001<br>(inhalation)<br>15 (oral)<br>0.8                                | A A&B            |
| 15.3                               | 15.2.3  | Cal ARP (0<br>Prevention):<br>CDPR (Cal<br>Regulation):  | Lead (Pb) Nickel refinery dust (Ni) California Accidenta : ifornia Department (Comparis) Cons:  | 0.36<br>0.25<br>al Release<br>of Pesticide                               | 1089                           | 0.20<br>0.05<br>regulated.<br>07-50009-AA                               | 0.001<br>(inhalation)<br>15 (oral)<br>0.8                                | A A&B            |
| 15.3                               | 15.2.3<br>Canad   | Cal ARP (Cal Prevention): CDPR (Cal Regulation): Cal Regulation Cal Regulation Cal Regulation Cal ARP (Cal Prevention): Cal Prevention: Cal Prevention): Cal Prevention: Cal Pr | Lead (Pb) Nickel refinery dust (Ni) California Accidenta : ifornia Department   | 0.36 0.25  al Release of Pesticide s Materials Information: cts Criteria | mation<br>D2B<br>Othe<br>E - C | 0.20 0.05 regulated. 07-50009-AA n System): - Poisonous ar effects – To | 0.001 (inhalation) 15 (oral) 0.8  (California only) and infectious noxic | A A&B A          |

| SECTION 15: REGULATORY INFORMATION |   |   |  |  |  |  |
|------------------------------------|---|---|--|--|--|--|
| 15.4                               | European Union Commission Directive 2001/59/EC: |   |  |  |  |  |
|                                    | 15.4.1  | Risk Phrases:   | R36/37/38- Irritating to eyes, respiratory system and skin.  |  |  |  |
|                                    | 15.4.2  | Safety Phrases:   | S22 – Do not breathe dust. S26 - in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |  |  |  |
| 15.5                               | International Inventory:                        |   |  |  |  |  |
|                                    | 15.5.1  | <b>AICS</b> (Australian Inventory of Chemical Substances):                | On inventory or in compliance with inventory.  |  |  |  |
|                                    | 15.5.2  | KECI (Korean Existing Chemicals Inventory):                               | On inventory or in compliance with inventory.  |  |  |  |
|                                    | 15.5.3  | <b>PICCS</b> (Philippine Inventory of Chemicals and Chemical Substances): | On inventory or in compliance with inventory.  |  |  |  |
|                                    | 15.5.4  | <b>IECSC</b> (Inventory of Existing Chemical Substances in China):        | On inventory or in compliance with inventory.  |  |  |  |
|                                    | 15.5.5  | <b>NZIoC</b> (New Zealand Inventory of Chemicals):                        | On inventory or in compliance with inventory.  |  |  |  |

| SECTION 16: OTHER INFORMATION |  |  |   |     |  |  |  |
|-------------------------------|--|--|---|-----|--|--|--|
| 16.1                          |  |  |   |     |  |  |  |
|                               | 16.1.1 HEALTH  |  | 2                                       |     |  |  |  |
|                               | 16.1.2   | FLAMMABILITY   | 0                                       |     |  |  |  |
|                               | 16.1.3   | PHYSICAL HAZARD  | 1                                       |     |  |  |  |
|                               | 16.1.4   | PERSONAL PROTECTION                                      | See Section 8.                          |     |  |  |  |
| 16.2                          | NFPA   | FPA 704 (National Fire Protection Association):          |   |     |  |  |  |
|                               | 16.2.1   | HEALTH   | 2                                       |     |  |  |  |
|                               | 16.2.2   | FLAMMABILITY   | 0                                       |     |  |  |  |
|                               | 16.2.3   | INSTABILITY  | 0                                       | 220 |  |  |  |
|                               | 16.2.4   | SPECIAL  | None                                    |     |  |  |  |
| 16.3                          | International Fire Code / International No information. Building Code: |  |   |     |  |  |  |
| 16.4                          | ANSI   | ANSI (American National Standards Institute):            |   |     |  |  |  |
|                               | 16.4.1   | Hazardous Industrial Chemicals - MSDS-Preparation:       | Complies with ANSI Z400.1 – 2004.       |     |  |  |  |
|                               | 16.4.2   | Hazardous Industrial Chemicals - Precautionary Labeling: | Complies with ANSI Z129.1 – 2006.       |     |  |  |  |
| 16.5                          |  |  |   |     |  |  |  |
|                               | 16.5.1 Classification:   |  | Acute Toxicity: inhalation (category 3) |     |  |  |  |
| 16.5.2 <b>Symbol:</b>         |  |  |   |     |  |  |  |
|                               | 16.5.3   |  | Warning                                 |     |  |  |  |
|                               | 16.5.4   | Hazard Statement:  | Toxic if inhaled.                       |     |  |  |  |

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