
	<b>MATERIAL SAFETY DATA SHEET</b> <b>SODA ASH</b>		Format No.: F03-E(03-01)																															
			Revision no.: 06																															
			Effective date : 01/08/2024																															
			Page: 1 of 2																															
<b>1) Identification of the substance / preparation and of the company / undertaking.</b> Identification of the product :- Soda Ash Product Name :- Sodium Carbonate - Light & Dense Use of the substance / Preparation :- Used as industrial Raw Material. Company / undertaking identification Company :- GHCL Limited, Sutrapada-362 275 , Dist - Gir Somnath, Gujarat, (India). Telephone No. :- 02876 - 263401, 263402, 263403																																		
<b>2) Composition / Information on ingredients</b> Hazardous ingredients :- Name according to EC Directives :- <table border="1"> <thead> <tr> <th>CAS-No.</th> <th>EC No.</th> <th>EC-Index -No.</th> <th>Classification</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>Sodium Carbonate</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>497 - 19 - 8</td> <td>207 - 838 - 8</td> <td>011 - 005 - 00 - 2</td> <td>Xi; R36</td> <td>Min 99%</td> </tr> </tbody> </table>					CAS-No.	EC No.	EC-Index -No.	Classification	Content	Sodium Carbonate					497 - 19 - 8	207 - 838 - 8	011 - 005 - 00 - 2	Xi; R36	Min 99%															
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<b>3) Hazards Identification</b> <b>EMERGENCY OVERVIEW</b> <p>CAUTION! MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION</p> <p>Avoid contact with eyes, skin and clothing. Avoid breathing airborne product. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Amber white powder, slippery when wet. A nuisance dust.</p> <p>ACUTE EFFECTS:</p> <p>HEALTH HAZARDS, GENERAL :</p> <p>Particulates may cause mechanical irritation to eyes, nose, throat and lungs. Particular inhalation may lead to pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma. Dermatitis and asthma may result from short contact periods.</p> <p>INHALATION : May be irritating to the respiratory tract if inhaled.</p> <p>INGESTION : May cause gastric distress, nausea and vomiting if ingested.</p> <p>SKIN : May be irritating to the skin.</p> <p>EYES : May be irritating to the eyes.</p> <p>CHRONIC EFFECTS</p> <p>CARCINOGENICITY : IARC :Not listed, OSHA : Not regulated: Not listed</p> <p>ROUTE OF ENTRY Inhalation. Skin and/or eye contact.</p> <p>TARGET ORGANS Respiratory system, lungs, skin and eyes</p>																																		
<b>4) First aid measures</b> Ingestion : If swallowed, do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Call a physician. Inhalation : In inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. Skin Contact : Flush with plenty of water. Wash clothing before reuse. Thoroughly clean shoes before reuse. Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician Note to Physician : The chemical of exposure is sodium carbonate, which is alkaline in solution.																																		
<b>5) Fire-fighting measures</b> Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood. Special risks : Non-combustible. Other information : Prevent fire-fighting water from entering surface water or ground water.																																		
<b>6) Accidental release measures</b> Person-related precautionary measures : Do not inhale vapours / aerosols. Environmental-protection measures : Do not allow to enter sewerage system. Procedures for cleaning / absorption : Take up with liquid-absorbent material. Forward for disposal. Clean up affected area.																																		
<b>7) Handling and storage</b> Handling : No further requirements. Storage : Store in dry place at room temperature away from moisture																																		
<b>8) Exposure controls / personal protection</b> Personal protective equipment : Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier. <table border="1"> <tbody> <tr> <td>Respiratory protection</td> <td>:-</td> <td>Required when vapours / aerosols are generated.</td> </tr> <tr> <td>Eye protection</td> <td>:-</td> <td>Required</td> </tr> <tr> <td>Hand protection</td> <td>:-</td> <td>In full contact :</td> </tr> <tr> <td></td> <td></td> <td>Glove material : Nitrile rubber</td> </tr> <tr> <td></td> <td></td> <td>Layer thickness : 0.11 mm</td> </tr> <tr> <td></td> <td></td> <td>Break through time : &gt;480 Min</td> </tr> <tr> <td></td> <td></td> <td>In Splash contact :</td> </tr> <tr> <td></td> <td></td> <td>Glove material : Nitrile rubber</td> </tr> <tr> <td></td> <td></td> <td>Layer thickness : 0.11 mm</td> </tr> <tr> <td></td> <td></td> <td>Break through time : &gt;480 Min</td> </tr> </tbody> </table> <p>Change contaminated clothing. Application of skin - protective barrier cream recommended.</p> <p>Wash hands after working with substance.</p>					Respiratory protection	:-	Required when vapours / aerosols are generated.	Eye protection	:-	Required	Hand protection	:-	In full contact :			Glove material : Nitrile rubber			Layer thickness : 0.11 mm			Break through time : >480 Min			In Splash contact :			Glove material : Nitrile rubber			Layer thickness : 0.11 mm			Break through time : >480 Min
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<p><b>Stability</b> - Stable under recommended storage conditions.</p> <p><b>Reactivity</b> - Condition to be avoided:</p> <p>a. Do not expose to intense heat.</p> <p>Substances to be avoided:</p> <p>Keep away from aluminum powder, fluorine, phosphorous pentoxide, sulphuric acid, ammoniacal silver nitrate and molten lithium.</p> <p>Hazardous decomposition products</p> <p>Soda ash decomposes at temperature above 1000 dec cel, releasing carbon dioxide gas (CO<sub>2</sub>). Carbon dioxide is an asphyxiant and may affect respiration rate or interfere with breathing. The sodium oxide residue sublimates at 1275 deg cel, forming vapors and mists of caustic soda on contact with moisture or water.</p>																																																							
<b>11) Toxicological information</b>																																																							
<p>Acute toxicity</p> <p>Eye                                      Severe irritant</p> <p>Skin -                                    Mild irritant</p> <p>LD 50 (Oral rat)                      4090 mg/kg</p> <p>Chronic                                Excessive, long term contact may produce "soda ulcers" on hands and perforation of the nasal septum. Sensitivity reactions may occur from prolonged and repeated exposure.</p> <p>Inhalation                            May cause irritation to the respiratory system</p> <p>Ingestion                            May cause discomfort if swallowed</p> <p>The product should be handled with the care usual when dealing with chemicals.</p>																																																							
<b>12) Ecological information</b>																																																							
<p>Ecotoxic effects :</p> <p>Quantitative data on the ecological effect of this product are not available.</p> <p>Further ecologic data :</p> <p>No ecological problems are to be expected when the product is handled and used with due care and attention.</p>																																																							
<b>13) Disposal Considerations</b>																																																							
<p><b>Waste Treatment</b>                Soda Ash is not a listed hazardous waste under 40 CFR 261. However, state and local regulations for waste disposal may be more restrictive. Dispose of waste material as per accordance with applicable local, provincial and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems.</p> <p><b>Packaging treatment:</b>        Bags are marked with <b>Recyclable Logo</b>. Wherever possible recycling is preferred to disposal or incineration. Clean container with water. Dispose of rinse water in accordance with local &amp; national guidelines.</p>																																																							
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<b>16) Other information</b>																																																							
<p>Text of any R phrases referred to under heading 2 :</p> <p>36                                      Irritating to eyes.</p> <p>Reason for alteration</p> <p>General update.</p> <p>Regional representation :</p> <p>Alkali Manufacture Association.</p>																																																							

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