



Canadian Agri Products(USA) Corp.

Chemicals to Trade, Experience to Remember

## Material Safety Data Sheet (MSDS)

### MAPLE SODIUM BICARBONATE

<b>1. Identification of the substance</b>	Product Name: SODIUM BICARBONATE Chemical Formula: NaHCO <sub>3</sub> Molecular Weight: 84.01 Cas No.: 144-55-8
<b>2. Composition /information on ingredients</b>	Ingredient SODIUM BICARBONATE % (By Weight) 98-100% (NaHCO <sub>3</sub> ) Cas Number 144-55-8 Classification Not regulated(China GB 12268-2005)
<b>3. Hazards identification</b>	Hazard Class: Not regulated by China GB 12268-2005. Routes Of Entry: No significant health effect anticipated. Health Hazards: No significant health effect anticipated. Environment Hazards: Not regulated. Fire/Explosion Hazards: Not classified as fire and explosion hazard
<b>4. First aid measures</b>	Eyes Flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical aid Skin Flush skin plenty of water while removing contaminated clothing and shoes Ingestion Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical attention Inhalation Remove to fresh air. Get medical attention for any breathing difficulty.
<b>5. Fire fighting measures</b>	Extinguishing Media: This product does not burn or support combustion. Use extinguishing media appropriate for surrounding fire. Hazards: This product is non-flammable. Protection: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
<b>6. Accidental release measures</b>	Personal Precautions: Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Environmental Precautions: Prevent entry into sewers or streams and other water bodies. Disposal Methods Use appropriate tools to put the spilled material into a sealed



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		container and hold for
<b>7. Handling and storage</b>	<p>Handling Procedures</p> <p>Storage Requirements</p> <p>Precautions:</p>	<p>Avoid breathing dust. Avoid contacting skin, eyes and clothing. Use with adequate ventilation. No smoking, eating and drinking water at workplace. Avoid prolonged or repeated exposure</p> <p>Store in dry place, keep away from conditions of high temperature and moisture. Avoid physical damages.</p> <p>Please pay attention to SECTION 10 CONDITIONS TO AVOID and MATERIALS TO AVOID.</p>
<b>8. Exposure controls/personal protection</b>	<p>Exposure Limits:</p> <p>Engineering Controls:</p> <p>Respiratory Protection:</p> <p>Hand Protection:</p> <p>Eye Protection:</p> <p>Skin And Body Protection:</p> <p>Hygiene Precautions:</p>	<p>CHINA (GBZ 2-2002): No data for Sodium Bicarbonate - OSHA PEL: N/A - ACGIH TLV: N/A</p> <p>Use adequate exhaust ventilation to keep airborne concentrations below the allowable exposure limits.</p> <p>Dustproof respirators.</p> <p>Protective gloves.</p> <p>Safety glasses. Goggles.</p> <p>Resistant protective clothing.</p> <p>No smoking, eating and drinking water at workplace. Washing hands before eating. Taking bath after work.</p>
<b>9. Physical and chemical properties</b>	<p>Physical State:</p> <p>Colour:</p> <p>Odour:</p> <p>Ph Value:</p> <p>Melting Point:</p> <p>Boiling Point:</p> <p>Decomposition Temperature:</p> <p>Flash Point:</p> <p>Autoignition Temperature:</p> <p>Explosion Properties:</p> <p>Vapour Pressure:</p> <p>Vapour Density(Air=1):</p> <p>Density/Specific Gravity (Water=1):</p> <p>Solubility:</p>	<p>Solid</p> <p>White crystalline powder.</p> <p>Odourless</p> <p>&lt;8.6 (About 8.2-8.5)</p> <p>60°C (140 °F)</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>No explosion property.</p> <p>N/A</p> <p>N/A</p> <p>2.2</p> <p>Easily soluble in water.</p>



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	Octanol/Water Partition Coefficient:	N/A
<b>10. Stability and reactivity</b>	Stability: Conditions To Avoid: Materials To Avoid:  Hazardous Polymerization: Hazardous Decomposition Products:	Stable High temperatures, moisture. Reacts with acids to form carbon oxides. Dangerous reaction with MAP or a sodium-potassium alloy. Will not occur.  May produce gaseous carbon oxides.
<b>11. Toxicological information</b>	Acute Toxicity:     Chronic Exposure:  Teratogenicity: Production Toxicity: Mutagenicity: Carcinogenicity:	Acute Oral LD50: 4220 mg/kg Acute Dermal LD50: Not Available. Acute Inhalation LC50: Not Available. EYES: May cause very mild irritation. SKIN: No adverse effects expected. INGESTION: Extremely large oral doses may cause gastrointestinal disturbances. INHALATION: High concentrations of dust may cause coughing and sneezing. No significant health effect anticipated. Avoid extremely large ingestion N/A N/A N/A Not listed as a suspected / confirmed carcinogen by IARC, NTP.
<b>12. Ecological information</b>	OVERVIEW:  Biodegradability: Ecotoxicity:	This material is practically non-toxic to aquatic organisms. Material is soluble in water and may leach from soil into groundwater. N/A N/A
<b>13. Disposal considerations</b>	Methods Of Disposal: Contaminated Packaging:	Dispose of according to all applicable governments' regulations. Empty packaging should be recycled or disposed of through an approved waste management facility.
<b>14. Transport information</b>	Proper Shipping Name: Un No.: Hazard Class (Imdg): Packing Group: Marine Pollutant:	Not regulated N/A N/A N/A No
<b>15. Regulatory</b>	<b>Note</b>	China: Not listed as dangerous goods in GB 12268-2005 International: Please pay attention to any applicable national



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**information**

regulations as to the hazard and safety information of this product.

*THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USERS' RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR THEIR OWN PARTICULAR USE.*

All non-emergency questions should be  
Directed to Customer Service at

**972-403-7444**

**24 hour emergency Telephone: Chemtrec 800-424-9300**  
**National response in Canada: Canutec 613-996-6666**  
**Outside US & Canada: Chemtrec: 202-483-7616**

Note: Chemtrec and Canutec emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, exposure or accident involving chemicals.