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FOR CHEMICAL EMERGENCY

Involving Shipping and Handling Spills, Leak, Fire, Exposure or Accident

Call CHEMTREC 1-800-424-9300

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

Section 1 - Product Identification

Product Name: Sodium Bicarbonate, all sizes

Product ID: 0201X

Section 2 - Composition/Information on Ingredients**CHEMICAL NAME**

Sodium Bicarbonate

CAS REG. #

144-55-8

Section 3 - Hazards Identification**EMERGENCY OVERVIEW:** As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.**POTENTIAL HEALTH EFFECTS****INHALATION:** High concentrations of dust may cause coughing and sneezing.**INGESTION:** Extremely large oral doses may cause gastrointestinal disturbances.**SKIN CONTACT:** No adverse effects expected.**EYE CONTACT:** Contact may cause mild irritation, redness, and pain.**CHRONIC EXPOSURE** No information found.**AGGRAVATION OF PRE-EXISTING CONDITIONS:** No information found.**Section 4 - First Aid Measures****INHALATION:** Remove to fresh air. Get medical attention for any breathing difficulty.**INGESTION:** Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.**SKIN CONTACT:** Not expected to require first aid measures.**EYE CONTACT:** Wash thoroughly with running water. Get medical advice if irritation develops.**Section 5 - Fire Fighting Measures****FIRE:** Not considered to be a fire hazard.**EXPLOSION:** Not considered to be an explosion hazard.**FIRE EXTINGUISHING MEDIA:** Use any means suitable for extinguishing surrounding fire.**SPECIAL INFORMATION:** Use protective clothing and breathing equipment appropriate for the surrounding fire.**Section 6 - Accidental Release Measures**

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in section 8. Spills: sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

Section 7 - Handling and Storage

Keep in a well closed container stored under cold to warm conditions, 2 to 40 c, (36 to 104f). Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Section 8 - Exposure Controls and Personal Protection**AIRBORNE EXPOSURE LIMITS:**

None Established

VENTILATION SYSTEM: In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.**PERSONAL RESPIRATORS (NIOSH APPROVED):** For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type n95 or better filters) may be worn. If oil particles (e.g. Lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.**SKIN PROTECTION:** Wear protective gloves and clean body-covering clothing.**EYE PROTECTION:** Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9 - Physical and Chemical Properties

APPEARANCE:	White Crystalline Powder	BOILING POINT:	Not Applicable
ODOR:	Odorless	MELTING POINT:	60°C (140°F)
SOLUBILITY:	7.8g/100g Water @ 18° C (64° F)	VAPOR DENSITY (AIR=1):	No Information Found
DENSITY:	2.2	VAPOR PRESSURE (mm Hg):	No Information Found
pH:	8.3 (0.1 Molar @ 25° C (77° F))	EVAPORATION RATE (BUAC=1):	No Information Found
% Volatiles By Volume @ 21c (70f):	0		

Section 10 - Stability and Reactivity

STABILITY:	Stable under ordinary conditions of use and storage.		
HAZARDOUS DECOMPOSITION PRODUCTS:	Gaseous carbon dioxide.		
HAZARDOUS POLYMERIZATION:	Will not occur.		
INCOMPATIBILITIES:	Reacts with acids to form carbon dioxide. Dangerous reaction with monoammonium phosphate or a sodium-potassium alloy.		
CONDITIONS TO AVOID:	Heat, moisture, incompatibles.		

Section 11 - Toxicological Information

Investigated as a mutagen, reproductive effector.

ORAL RAT LD50:	4220 mg/kg	IRRITATION DATA:	Human,skin, 30mg/3d-i Mild, Rabbit,eye, 100 Mg/30 S, Mild
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NTP CARCINOGEN

INGREDIENT	KNOWN	ANTICIPATED	IARC CATEGORY
Sodium Bicarbonate (144-55-8)	No	No	None

Section 12 -Ecological Information

ENVIRONMENTAL FATE: No information found

ENVIRONMENTAL TOXICITY: No information found

Section 13 - Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14 - Transport Information

Not Regulated

Section 15 - Regulations**CHEMICAL INVENTORY STATUS – PART 1**

INGREDIENT	TSCA	EC	JAPAN	AUSTRALIA
Sodium Bicarbonate (144-55-8)	Yes	Yes	Yes	Yes

CHEMICAL INVENTORY STATUS – PART 2 – CANADA

INGREDIENT	KOREA	DSL	NDSL	PHIL.
Sodium Bicarbonate (144-55-8)	Yes	Yes	No	Yes

FEDERAL, STATE AND INTERNATIONAL REGULATIONS – PART 1- SARA 302 – SARA 313

INGREDIENT	RQ	TPQ	LIST	CHEMICAL CATG
Sodium Bicarbonate (144-55-8)	No	No	No	No

INGREDIENT	CERCLA	RCRA 261.33	TSCA 8(D)
Sodium Bicarbonate (144-55-8)	No	No	No

CHEMICAL WEAPONS CONVENTION:	No	TSCA 12(b):	No	CDTA:	No		
SARA 311/312: ACUTE:	No	CHRONIC:	No	FIRE:	No	PRESSURE:	No

REACTIVITY: No (pure / solid)

AUSTRALIAN HAZCHEM CODE:

None Allocated

POISON SCHEDULE:

None Allocated

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Section 16 - Other Information

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0

The information and recommendations in this Material Safety Data Sheet are based upon data believed to be correct and does not relate to its use in combination with any other material or process. Since use conditions vary, we assume no liability for failure to follow product use direction and safety precautions. As data, standards and regulations change; NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.