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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

NFPA RATINGS: Health: 1 Flammability: 0 Reactivity: 0

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.

EYE CONTACT: Contact may cause mild irritation, redness, and pain.

SKIN CONTACT: No adverse effects expected.

INHALATION: High concentrations of dust may cause coughing and sneezing.

INGESTION: Extremely large oral doses may cause gastrointestinal disturbances.

Section 4 - First Aid Measures

EYES: Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes lifting the upper and lower eyelids intermittently. Washing eyes within several seconds is essential to achieve maximum effectiveness. Get medical advice if irritation develops.

SKIN: Wash with soap and water. If irritation occurs and persists, obtain medical attention.

INHALATION: Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, give oxygen.

INGESTION: Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops.

Section 5 - Fire Fighting Measures

FIRE AND EXPLOSION HAZARDS: None

EXTINGUISHING MEDIA: Use extinguishing agents appropriate for surrounding fire

Section 6 - Accidental Release Measures

Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Residue may be flushed to sewer with plenty of water.

Section 7 - Handling and Storage

HANDLING: Avoid contact with eyes. Wash thoroughly after handling.

STORAGE: Keep container tightly closed and properly labeled. Store in cool, dry area, away from acids.

Section 8 - Exposure Controls and Personal Protection

EYE/FACE PROTECTION: Safety glasses with side shields are recommended.

SKIN PROTECTION: Dry product is generally non-irritating to intact skin but can be irritating where skin has been damaged and can create skin irritation after long exposures when moisture is present. Under such conditions, gloves are recommended.

RESPIRATORY PROTECTION: Avoid breathing dust.

HYGIENIC PRACTICES: Wash hands with soap and water after handling product.

Section 9 - Physical and Chemical Properties

APPEARANCE: white crystalline powder

Odor: odorless

BOILING POINT: no data available

WATER SOLUBILITY: 7.8g/100g Water @ 18° C (64° F)

MELTING POINT: 60°C (140°F)

VAPOR DENSITY (Air=1): no data available

DENSITY: 2.2

VAPOR PRESSURE (mm Hg): no data available

pH: 8.3 (0.1 Molar @ 25° C (77° F))

EVAPORATION RATE (BUAC=1): no data available

% Volatiles By Volume @ 21c (70f): 0

Section 10 - Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Heat, moisture, incompatibles

INCOMPATIBLE MATERIALS: Reacts with acids to form carbon dioxide. Dangerous reaction with monoammonium phosphate or a sodium-potassium alloy

HAZARDOUS DECOMPOSITION: Gaseous carbon dioxide

POLYMERIZATION: Will not occur

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

CARCINOGEN STATUS: OSHA: No NTP: No IARC: No

Section 12 - Ecological Information

ENVIRONMENTAL FATE: no data available

ENVIRONMENTAL TOXICITY: no data available

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**

Sodium Bicarbonate (144-55-8)

TSCA

Yes

EC

Yes

JAPAN

Yes

AUSTRALIA

Yes

CHEMICAL INVENTORY STATUS – PART 2 – CANADA**INGREDIENT**

Sodium Bicarbonate (144-55-8)

KOREA

Yes

DSL

Yes

NDSL

No

PHIL.

Yes

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

Sodium Bicarbonate (144-55-8)

RQ

No

TPQ

No

LIST

No

CHEMICAL CATG

No

INGREDIENT

Sodium Bicarbonate (144-55-8)

CERCLA

No

RCRA**261.33**

No

TSCA**8(D)**

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

SUPERSEDES DATE: June 22, 2008

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.