



8-31-05

Alan Savitsky
UC

HYDRITE CHEMICAL CO.
2655 N. MAYFAIR ROAD
MILWAUKEE, WI 53226

MATERIAL SAFETY DATA SHEET

L-0104 SODIUM BICARBONATE, POWDER USP #1 PAGE 1

DISTRIBUTED BY: HYDRITE CHEMICAL CO.
2655 NORTH MAYFAIR ROAD
MILWAUKEE, WI 53226
(414) 257-2300
(414) 277-1311
MSDS#:HY881AL0104XX
PREPARED BY:LMT
03/07/88

MANUFACTURED BY: Church & Dwight; Stauffer

SECTION I - PRODUCT INFORMATION

TRADE NAME: SODIUM BICARBONATE POWDER USP #1
CHEMICAL NAME SYNONYMS: Baking Soda; Bicarbonate of Soda
Carbonic Acid Mono Sodium Salt

C.A.S. REGISTRY #: 144-55-8
CHEMICAL FAMILY: Alkaline Carbonate

FORMULA: NaHCO3

D.O.T. IDENTIFICATION #: N.A. D.O.T. LABEL: N.A.

SECTION II - HAZARDOUS INGREDIENTS

| INGREDIENT | PERCENT | TLV LEVEL | PEL LEVEL |
|------------|---------|-----------|-----------|
|------------|---------|-----------|-----------|

NOTE : This product does not contain any hazardous ingredients as defined by OSHA 29 CFR 1910.1200.

SECTION III - PHYSICAL DATA

BOILING POINT (DEG. F): Decomposes SPECIFIC GRAVITY: 45-65#/ft3
FREEZING POINT (DEG.F): N.A. PERCENT VOLATILE
VAPOR PRESSURE (MM HG): N.A. BY VOLUME%: N.A.
VAPOR DENSITY (AIR=1) : N.A. EVAPORATION RATE(N.A.): N.A.
SOLUBILITY IN WATER: 9.6g/100 g H2O

HYDRITE CHEMICAL CO.
2655 N. MAYFAIR ROAD
MILWAUKEE, WI 53226

MATERIAL SAFETY DATA SHEET

AL-0104 SODIUM BICARBONATE POWDER USP #1 PAGE 2

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR: White, granular solid. No odor.

SECTION IV - FIRE EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N.A.

FLAMMABLE LIMITS LEL: N.A. UEL: N.A.

EXTINGUISHING MEDIA: Product is used as a fire retardant.

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE EXPLOSION HAZARDS: None.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not Established (OSHA 29 CFR 1910.Z)
Not Established (ACGIH 1987-88)

EFFECTS OF OVEREXPOSURE

EYE CONTACT: Contact with material may result in slight irritation. Prolonged or repeated contact may be more irritating.

SKIN CONTACT: May cause mild irritation to skin.

INHALATION: Mist may irritate nasal passages.

INGESTION: In moderate amounts, Sodium Bicarbonate may be taken as an antacid. Large amounts should be avoided.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during this flushing with water. Call a physician immediately.

SKIN CONTACT: Flush area with water while removing contaminated clothing and shoes. Follow by washing with soap and water.

INGESTION: For large amounts: If conscious, give large amounts of water, then induce vomiting by touching back of throat with finger. Keep head below hips to prevent aspiration of liquid into lungs. CALL A PHYSICIAN immediately. NEVER induce vomiting or give anything by mouth to an unconscious victim.

HYDRITE CHEMICAL CO.
2655 N. MAYFAIR ROAD
MILWAUKEE, WI 53226

MATERIAL SAFETY DATA SHEET

L-0104

SODIUM BICARBONATE POWDER USP #1

PAGE 3

SECTION V - HEALTH HAZARD DATA

INHALATION: Remove victim from contaminated atmosphere. Seek medical attention if respiratory irritation occurs.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE UNSTABLE
CONDITIONS TO AVOID: HYGROSCOPIC MATERIAL. Avoid contact with moisture.

INCOMPATIBILITY: Acids.

HAZARDOUS DECOMPOSITION PRODUCTS: This product can react violently during neutralization of acids. Carbon Dioxide is evolved during this reaction.

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Evacuate unprotected personnel from area. Maintain adequate ventilation. Use proper Safety Equipment. Sweep up material into containers and dispose of properly. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

WASTE DISPOSAL METHOD: Observe all Local, State, and Federal Regulations. Dispose of at approved Landfill Site or Waste Treatment Facility. If approved, flush to sewer with large quantities of water. DO NOT pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition.



HYDRITE CHEMICAL CO.
 2655 N. MAYFAIR ROAD
 MILWAUKEE, WI 53226

MATERIAL SAFETY DATA SHEET

L-0104

SODIUM BICARBONATE POWDER USP #1

PAGE 4

SECTION VIII - SPECIAL PROTECTION INFORMATION

CONSULT SAFETY EQUIPMENT DISTRIBUTOR

RESPIRATORY PROTECTION: U.S. Bureau of Mines-Approved dust mask.

VENTILATION: Maintain adequate ventilation. Avoid accumulation of dust. Avoid mist formation.

PROTECTIVE GLOVES: Rubber (Latex).

EYE PROTECTION: Chemical Safety Goggles. Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Eye-wash station. Safety shower. Rubber apron. Protective clothing.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

HYGROSCOPIC MATERIAL. Avoid contact with moisture. Store in closed containers. Store away from incompatible materials. Do not store in unlabeled or mislabeled containers.

OTHER PRECAUTIONS: Avoid contact with skin and eyes. Do not swallow. Avoid dust or mist formation. Use with adequate ventilation. Avoid breathing mists or dusts. Wash thoroughly after handling.

SECTION X - SUPPLEMENTAL HEALTH INFORMATION

CARCINOGEN CONTENT

| % PPM | INGREDIENT | IARC | NTP | OSHA |
|-------|------------|------|-----|------|
|-------|------------|------|-----|------|

NOTE : This product does not contain greater than 0.1% of the known or potential carcinogens listed in NTP, IARC, or OSHA.

| | | |
|-----------------|---|-----------------|
| LD50 ORAL | : | Rat: 4220 mg/kg |
| LD50 SKIN | : | No data |
| LC50 INHALATION | : | No data |



HYDRITE CHEMICAL CO.
2655 N. MAYFAIR ROAD
MILWAUKEE, WI 53226

MATERIAL SAFETY DATA SHEET

-0104

SODIUM BICARBONATE POWDER USP #1

PAGE 5

SECTION X - SUPPLEMENTAL HEALTH INFORMATION

** ** * * * * * * * * * * * * *

The data in this Material Safety Data Sheet relates only to the specific material designated and does not relate to its use in combination with other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as a warranty or representation for which HYDRITE CHEMICAL CO. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.