

HYDR 98
HYDRITE CHEMICAL CO.
SODIUM SESQUICARBONATE
AL-0112
11/01/94



MATERIAL SAFETY DATA SHEET

11/15/94

PRODUCT NAME: SODIUM SESQUICARBONATE

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DISTRIBUTED BY: HYDRITE CHEMICAL CO.
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MSDS#:HY941AL0112XX

PREPARED BY:JG/NAO
11/01/94

MANUFACTURED BY: FMC

SECTION I - PRODUCT INFORMATION

TRADE NAME: SODIUM SESQUICARBONATE
CHEMICAL NAME SYNONYMS: Sesqui
Trisodium Hydrogendicarbonate

C.A.S. REGISTRY #: 533-96-0
CHEMICAL FAMILY: Alkali

FORMULA: Na₂CO₃.NaHCO₃.2H₂O

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

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

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	TLV LEVEL	PEL LEVEL
Sodium Sesquicarbonate	100%	Not Estab.	Not Estab.

SECTION III - PHYSICAL DATA

BOILING POINT (DEG. F): Decomposes
FREEZING POINT (DEG.F): N.A.
VAPOR PRESSURE (MM HG): N.A.
VAPOR DENSITY (AIR=1) : N.A.
SOLUBILITY IN WATER: Appreciable
SPECIFIC GRAVITY: 2.12
PERCENT VOLATILE
BY VOLUME%: N.A.
EVAPORATION RATE(N.A.): N.A.

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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: For fires in area use appropriate media.
For example: Water spray. Dry Chemical. Carbon Dioxide. Alcohol
Foam.

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area of unprotected
personnel. Wear protective clothing including a NIOSH-Approved
self-contained breathing apparatus.

UNUSUAL FIRE EXPLOSION HAZARDS: None.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not Established (OSHA 29 CFR 1910.Z-1-A)
Not Established (ACGIH 1994-95)
Recommend Exposure Limits for Nuisance
Particulates be used as a guide: 15 mg/m³ (Total Dust), 5 mg/m³
(Respirable Fraction) (OSHA 29 CFR 1910.Z-1-A); 10 mg/m³ (Total
Dust containing no asbestos and < 1% crystalline silica) (ACGIH).

EFFECTS OF OVEREXPOSURE

EYE CONTACT: Severely irritating to eyes.

SKIN CONTACT: May cause mild irritation to skin. Prolonged

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SECTION V - HEALTH HAZARD DATA

contact can be more severe.

INHALATION: Inhalation causes coughing and irritation of nose, throat, and mucous membranes.

INGESTION: May cause moderate irritation of the nasal, throat, respiratory passages and mouth esophagus, and upper digestive tract.

OTHER: ROUTES OF EXPOSURE: Product can affect the body if it is inhaled, comes in contact with the eyes or skin, or is swallowed.

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. Do not reuse clothing or shoes until cleaned. If irritation persists, get medical attention. Do not apply oils or ointments unless ordered by the physician.

INGESTION: If conscious, drink a quart of water. DO NOT induce vomiting. CALL A PHYSICIAN immediately. If unconscious or in convulsions, take immediately to a hospital or a physician. NEVER induce vomiting or give anything by mouth to an unconscious victim.

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

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SECTION VI - REACTIVITY DATA

STABILITY: STABLE UNSTABLE
CONDITIONS TO AVOID: HYGROSCOPIC MATERIAL. Avoid contact with moisture. To dilute: Add product slowly to lukewarm water; not water to product.

INCOMPATIBILITY: Acids. Aluminum. Fluorine. Lithium.

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 Waste Treatment Facility. If approved, neutralize material and flush to sewer. DO NOT pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition.

SECTION VIII - SPECIAL PROTECTION INFORMATION

CONSULT SAFETY EQUIPMENT DISTRIBUTOR

RESPIRATORY PROTECTION: If recommended Exposure Limits are exceeded wear: NIOSH-Approved respirator for dusts and mists.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

NIOSH/MSHA approved air-supplied respirator. Do not exceed limits established by the respirator manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134.

VENTILATION: Maintain adequate ventilation. Do not use in closed or confined space. Avoid accumulation of dust.

PROTECTIVE GLOVES: Rubber (Latex). Polyvinyl Chloride. Chemical - resistant gloves.

EYE PROTECTION: Chemical Safety Goggles. Do not wear contact lenses.

OTHER PROTECTIVE EQUIPMENT: Eye-wash station. Safety shower. Rubber apron. Chemical safety shoes. 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. Do not eat, drink, or smoke in work area.

SECTION X - SUPPLEMENTAL HEALTH INFORMATION

CARCINOGEN CONTENT

% PPM INGREDIENT

IARC NTP OSHA

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SECTION X - SUPPLEMENTAL HEALTH INFORMATION

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

LD50 ORAL : No Data
LD50 SKIN : No Data
LC50 INHALATION : No Data

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

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 any 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.