

MATERIAL SAFETY DATA SHEET

MSDS-133 (Sheet 1 of 3)
Sodium Chloride
Revision Date: 3/5/90

----- SECTION I - PRODUCT IDENTIFICATION -----

PRODUCT (TRADE) NAME: Sodium Chloride (NaCl)
CHEMICAL FAMILY: Inorganic Sodium Compounds
COMMON SYNONYMS: Salt, Rock Salt, Saline, Table Salt

SUPPLIER: Omega Engineering, Inc.
P.O. Box 4047
Stamford, CT 06907

DATE PREPARED: 5/1/89
SUPERSEDES: N/A

TELEPHONE: (203) 359-1660

----- SECTION II - HAZARDOUS COMPONENTS -----

COMPONENT	WEIGHT %	CAS NO.	OSHA/PEL N/Est	ACGIH/TLV N/Est
Sodium Chloride	99%-100%	7647-14-5		

----- SECTION III - PHYSICAL DATA -----

BOILING POINT (@ 760 mm Hg): 2575F (1413C) VAPOR PRESSURE (mm Hg, 20C): <1
MELTING POINT (@ 760 mm Hg): 1473F (801C) VAPOR DENSITY (AIR=1): N/A
SPECIFIC GRAVITY (H2O=1): 2.16 EVAPORATION RATE: N/A
SOLUBILITY (H2O): APPRECIABLE (> 10%) % VOLATILE BY VOLUME(21C): 0
APPEARANCE & ODOR: White crystalline solid. Odorless
PHYSICAL STATE: Solid

----- SECTION IV - FIRE AND EXPLOSION HAZARD DATA -----

FLASH POINT (CLOSED CUP): N/A

FLAMMABLE LIMITS: Upper - N/A, Lower - N/A

FIRE EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

SPECIAL FIRE-FIGHTING PROCEDURES: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

UNUSUAL FIRE & EXPLOSION HAZARDS: None identified

TOXIC GASES PRODUCED: Hydrogen Chloride

----- SECTION V - HEALTH HAZARD DATA -----

TOXICITY OF COMPONENTS:

Oral Rat LD50 for Sodium Chloride: 3000 mg/kg
Intraperitoneal Mouse LD50 for Sodium Chloride: 2602 mg/kg
Subcutaneous Mouse LD50 for Sodium Chloride: 3150 mg/kg
Intravenous Mouse LD50 for Sodium Chloride: 645 mg/kg

CARCINOGENICITY: NTP: No IARC: No Z LIST: No OSHA REG: No

REPRODUCTIVE EFFECTS: None Identified

TARGET ORGANS: eyes, skin, respiratory system, mucous membranes

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: high blood pressure

PRIMARY ROUTES OF ENTRY: inhalation, ingestion, skin contact, eye contact

EFFECTS OF OVEREXPOSURE:

INJECTION: ingestion of large quantities may cause gastrointestinal irritation

INHALATION: irritation of upper respiratory tract

SKIN CONTACT: irritation

SKIN ABSORPTION: none identified

EYE CONTACT: irritation

CRONIC EFFECTS: high blood pressure, rapid ineffective breathing

EMERGENCY AND FIRST AID PROCEDURES:

INGESTION: If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.

INHALATION: If a person breathes in large amounts, move the exposed person to fresh air.

SKIN CONTACT: In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.

EYE CONTACT: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SARA/TITLE III HAZARD CATEGORIES AND LISTS:

Acute:yes Cronic:yes Flammability:no Pressure:no Reactivity:no

Extremely Hazardous Substance: no
SARA 313 Toxic Chemicals: no

CERCLA Hazardous Substance: no
TSCA Inventory: yes

----- SECTION VI - REACTIVITY DATA -----

STABILITY: Stable

CONDITIONS TO AVOID: None Documented

INCOMPATIBILITIES: strong oxidizing agents, lithium, inter-halogens
(ex. bromine trifluoride), iron, cement

DECOMPOSITION PRODUCTS: Hydrogen Chloride

HAZARDOUS POLYMERIZATION: Will not occur

----- SECTION VII - SPILL AND DISPOSAL PROCEDURES -----

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE: Wear suitable
protective clothing. Carefully sweep up and remove.DISPOSAL PROCEDURE: Dispose in accordance with all applicable Federal,
State and Local environmental regulations.

----- SECTION VIII - SPECIAL PROTECTION INFORMATION -----

RESPIRATORY PROTECTION: None required where adequate ventilation conditions
exist. If airborne concentration is high, use an appropriate respirator
or dust mask.VENTILATION: Use adequate general or local exhaust ventilation to keep fume
or dust levels as low as possible.

EYE/SKIN PROTECTION: Safety goggles, proper gloves are recommended.

----- SECTION IX - STORAGE AND HANDLING PRECAUTIONS -----

STORAGE REQUIREMENTS: Keep container tightly closed. Suitable for any
general chemical storage area.

The above information is believed to be correct but does not purport
to be all inclusive and shall be used only as a guide. Omega shall not
be held liable for any damage resulting from handling or from contact
with the above product.