



15 Erie Drive  
Natick, MA 01760  
Phone: 508.655.4336  
Fax: 508.655.2754  
[www.americanbio.com](http://www.americanbio.com)  
In case of emergency call 3E at 800.451.8346

MATERIAL SAFETY DATA SHEET:  
SODIUM CHLORIDE  
CATALOG NUMBER: AB01915

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SECTION I – PRODUCT INFORMATION

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PRODUCT NAME: SODIUM CHLORIDE  
GRADE: ULTRA PURE  
PHYSICAL DESCRIPTION: WHITE CRYSTALLINE POWDER

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SECTION II – COMPOSITION/INFORMATION ON INGREDIENT

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SUBSTANCE NAME: SODIUM CHLORIDE  
CAS NUMBER: 7647-14-5  
SARA 313: NO  
FORMULA: NaCl  
FORMULA WEIGHT: 58.44  
RTECS NUMBER: VZ4725000

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SECTION III – HAZARDS IDENTIFICATION

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HMIS RATING  
HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0  
NFPA RATING  
HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0

FOR ADDITIONAL INFORMATION ON TOXICITY, PLEASE REFER TO SECTION XI.

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SECTION IV – FIRST AID MEASURES

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ORAL EXPOSURE: IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.  
INHALATION EXPOSURE: IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL A PHYSICIAN.  
DERMAL EXPOSURE: IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.  
EYE EXPOSURE: IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING EYELIDS WITH FINGERS. CALL A PHYSICIAN.

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SECTION V – FIRE FIGHTING MEASURES

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FLASH POINT: N/A  
AUTOIGNITION: N/A  
FLAMMABILITY: N/A  
EXTINGUISHING MEDIA  
SUITABLE: NONCOMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

FIREFIGHTING: PROTECTIVE EQUIPMENT: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. SPECIFIC HAZARDS: EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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#### SECTION VI – ACCIDENTAL RELEASE MEASURES

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##### PROCEDURES OF PERSONAL PRECAUTIONS

EXERCISE APPROPRIATE PRECAUTIONS TO MINIMIZE DIRECT CONTACT WITH SKIN OR EYES AND PREVENT INHALATION OF DUST.

METHODS FOR CLEANING UP: SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

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#### SECTION VII – HANDLING AND STORAGE

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HANDLING: USER EXPOSURE: AVOID INHALATION. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE.

STORAGE: SUITABLE: KEEP TIGHTLY CLOSED.

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#### SECTION VIII – EXPOSURE CONTROLES/PPE

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##### ENGINEERING CONTROLS

SAFETY SHOWER AND EYE BATH. MECHANICAL EXHAUST REQUIRED.

##### PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY: WEAR DUST MASK

HAND: PROTECTIVE GLOVES

EYE: CHEMICAL SAFETY GOGGLES

GENERAL HYGIENE MEASURES: WASH THOROUGHLY AFTER HANDLING.

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#### SECTION IX – PHYSICAL/CHEMICAL PROPERTIES

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APPEARANCE: PHYSICAL STATE: SOLID

MOLECULAR WEIGHT: 58.44 AMU

PH: 7

BP/BP RANGE: 1,413°C

MP/MP RANGE: 801°C

VAPOR PRESSURE: 1 MMHG 865°C

SG/DENSITY: 2.165 G/CM<sup>3</sup>

SOLUBILITY IN WATER: SOLUBLE.

OTHER SOLVENTS: 36G/100ML AT 20°C

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#### SECTION X – STABILITY AND REACTIVITY

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STABILITY: STABLE

MATERIALS TO AVOID: STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS: SODIUM/SODIUM OXIDES, HYDROGEN CHLORIDE GAS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

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#### SECTION XI – TOXICOLOGICAL INFORMATION

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##### ROUTE OF EXPOSURE

SKIN CONTACT: MAY CAUSE SKIN IRRITATION.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN

EYE CONTACT: SODIUM CHLORIDE (NaCl) IN CONTACT WITH EYES CAN CAUSE IRRITATION OR REDNESS DUE TO ABRASION.

INHALATION: MAY BE HARMFUL IF INHALED. MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

INGESTION: MAY BE HARMFUL IF SWALLOWED.

##### SIGNS AND SYMPTOMS OF EXPOSURE

INGESTION OF LARGE AMOUNTS CAUSES VOMITING AND DIARRHEA. DEHYDRATION AND CONGESTION MAY OCCUR IN INTERNAL ORGANS. HYPERTONIC SALT SOLUTIONS CAN PRODUCE INFLAMMATORY REACTIONS IN THE GASTROINTESTINAL TRACT.

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SECTION XII – ECOLOGICAL INFORMATION

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NO DATA AVAILABLE.

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SECTION XIII – DISPOSAL CONSIDERATIONS

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APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

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SECTION XIV – TRANSPORT INFORMATION

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DOT: PROPER SHIPPING NAME: NONE

NON-HAZARDOUS FOR TRANSPORT: NON-HAZARDOUS FOR TRANSPORT.

IATA: NON HAZARDOUS FOR AIR TRANSPORT.

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SECTION XV – REGULATORY INFORMATION

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UNITED STATES REGULATORY INFORMATION

SARA LISTED: NO

TSCA INVENTORY ITEM: YES

CANADA REGULATORY INFORMATION

WHMIS CLASSIFICATION: THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR, AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR. DSL: YES NDSL: NO

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SECTION XVI – OTHER INFORMATION

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SECTION 04/08/05