

SUPER BEAD DESICCANT

MATERIAL SAFETY DATA SHEET

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Revision Date: 2-02

Emergency Telephone: (800) 424-9300 (CHEMTREC)
PRODUCT INFORMATION: (814) 453-3651

SECTION I

IDENTIFICATION

CHEMICAL NAME Sodium Nitrate	CHEMICAL SYNONYMS Soda Niter Chile Saltpeter	CAS. NO. 7631-99-4
CHEMICAL FAMILY Nitrates	DESCRIPTION White Solid Prills (Pellets)	PERCENT (MIN.) 98.0 (Ind); 99.0 (Tech); 99.4 (Refined)
CHEMICAL FORMULA NaNO ₃	GRADE Industrial/Technical/Refined - NITEROX	MOL. WT. 85.01

SECTION II

MANUFACTURERS INFORMATION

MANUFACTURERS NAME Sociedad Quimica y Minera de Chile, S.A., Santiago, Chile	EMERGENCY TELEPHONE NUMBERS Chemtreec 1-800-424-9300; Chilean Nitrate Corporation 757-640-7270	
ADDRESS Chilean Nitrate Corporation 150 Boush Street, Suite 701, Town Point Center Norfolk, Virginia 23510	FOR INFORMATION Phone: 757-640-7270 Fax: 757-640-7271	
	DATA PREPARED May 4, 1989	REVISED 2-02

SECTION III

INGREDIENTS INFORMATION

COMPONENT	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	SIGNIFICANT EFFECTS
Sodium Nitrate	No Information Available	None Established	No information Available	None Established

SECTION IV

FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED) Not Applicable	FLAMMALBE LIMITS No Information available	OSHA CLASSIFICATION Class 1 Oxidizer
FLAMMABLE EXPLOSIVE LIMITS Upper Limits: Not Applicable Lower Limits: Not Applicable	EXTINGUISHING MEDIA Small Fires: Dry chemical, CO ₂ water spray or foam Large Fires: Water spray, fog or foam	
SPECIAL FIRE FIGHTING PROCEDURES Remove containers from fire if possible without risk. Cool containers exposed to flames with water. Use NIOSH/MSHA approved self-contained breathing apparatus where this material is involved in a fire.		
UNUSUAL FIRE AND EXPLOSION HAZARDS Oxidizer. Keep away from reducing agents, will explode if heated to 1,000°F in presence of reducing agents, organic materials or mixed with cyanides. Yields gaseous oxides when heated above melting point (306.8°C).		

SECTION V

HEALTH HAZARD DATA

HEALTH HAZARDS ACUTE EXPOSURE Toxic by ingestion, content in cured meats, fish and other food products restricted.	CHRONIC EXPOSURE Not Applicable
CARCINOGENICITY Sodium Nitrate has not been directly implicated as a carcinogen. A constant oral intake of nitrate containing foods or water could lead to formation of carcinogenic N-Nitroso compounds.	SYMPTOMS OF OVEREXPOSURE Not Applicable
EMERGENCY FIRST AID PROCEDURES	
SKIN Not Applicable	EYES Flush with water.
INGESTION Drink water, induce vomiting by sticking finger down throat, and call a physician.	INHALATION Not Applicable

TOXICOLOGY

SECTION VI

ACUTE ORAL LD 50 4.3 g/kg (Rats)	CARCINOGENIC Not known to be carcinogenic	PRINCIPLE ROUTES OF ABSORPTION Not Applicable
ACUTE DERMAL LD 50 Not Determined	MUTAGENIC Not known to be mutagenic	EFFECTS OF ACUTE EXPOSURE Not Applicable
ACUTE INHALATION LC 50 Not Determined	EYE/SKIN IRRITATION May be an irritant	EFFECTS OF CHRONIC EXPOSURE None expected at industrial use levels

REACTIVITY DATA

SECTION VII

STABILITY (UNDER NORMAL CONDITIONS) Stable <input checked="" type="checkbox"/> Unstable	HAZARDOUS DECOMPOSITION Produces oxides of nitrogen.
HAZARDOUS POLNERIZATION May Occur _____ Will Not Occur <input checked="" type="checkbox"/>	INCOMPATIBILITY (MATERIALS TO AVOID) Avoid contact with reducing agents and flammable or combustible materials.

PHYSICAL DATA

SECTION VIII

BOILING POINT 380°C (Decomposes)	MELTING POINT 306.8 °C	VAPOR PRESSURE Not Applicable (MM/Hg)	APPEARANCE White Prills (Pellets)
SOLUBILITY IN WATER 92 g/100ml at 25°C	SPECIFIC GRAVITY 2.26 (H ₂ O = 1)	VAPOR DENSITY Not Applicable (Air = 1)	EVAPORATION RATE No Information Available

SECTION IX

SAFE HANDLING & USE PRECAUTIONS

WASTE DISPOSAL METHOD Sanitary landfill in accordance with federal, state and local regulations.	OTHER PRECAUTIONS Wood and empty paper bags used to hold this product should be removed from the premises.
IN CASE MATERIAL IS RELEASED OR SPILLED Sweep or shovel up spilled material.	HANDLING AND STORING PRECAUTIONS Store away from reducing agents and liquids of low flash points.

SECTION IX

CONTROL MEASURES

RESPIRATORY PROTECTION NIOSH/MSHA-Approved dust type respirator.	VENTILATION Mechanical (General)
PROTECTIVE GLOVES No special gloves needed.	EYE PROTECTION Goggles
OTHER PROTECTIVE CLOTHING OR EQUIPMENT None	WORK/HYGENIC PRACTICES Follow recommendations in Section IX.

Material contained herein complies with OSHA communications standard, 29 CFR 1910. 1200. Standard must be consulted for specific requirements. The information contained herein is, to best of our knowledge and belief, accurate. However Chilean Nitrate Sodium Nitrate is sold without representations or warranties, express or implied, of fitness for use or purpose or of merchantability beyond the description of said material on the face hereof, and is sold on the condition that seller shall not be liable for accident, injury, or damage occasioned during or resulting from the transportation, handling, storage, sale or use of the material. In the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemical call Chemtrec: 800-424-9300.

HEALTH	1
FLAMMABILITY	0
REACTIVITY	1