Olin MATERIAL SAFETY DATA

OCEAN® Network
EMERGENCY PHONE 1-800-OLIN-911

SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS Sodium Nitrate DPH 958		
CHEMICAL FAMILY Inorganic	**FORMULA** $NaNO_3$	**TRADE NAME** Sodium Nitrate
DESCRIPTION White-yellow solid		**CAS NO.** 7631-99-4

SECTION II - NORMAL HANDLING PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid contact with eyes, skin or clothing. Do not take internally. Upon contact with skin or eyes, wash off with water. Avoid breathing dust. Protect against physical damage. Store in a cool, dry place. Separate from combustibles, organic or other readily oxidizable materials. Avoid storage on wood floors. Immed. remove and dispose of any spilled material. *Wear NIOSH/MSHA approved dust respirator if excessive dusting occurs.

PROTECTIVE EQUIPMENT	VENTILATION REQUIREMENTS
EYES Goggles **GLOVES** Impervious **OTHER** Coveralls and impervious boots. See * above	Local mechanical exhaust ventilation recommended to minimize employee exposure.

SECTION III - HAZARDOUS INGREDIENTS

BASIC MATERIAL	OSHA PEL	LD50	LC50	SIGNIFICANT EFFECTS
Sodium Nitrate	None established	4.3 g/kg (rat)	No data	Dizziness, abdominal cramps, vomiting. May cause eye, skin and mucous membrane irritation

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT No data **METHOD**	**OSHA CLASSIFICATION** Oxidizer	**FLAMMABLE EXPLOSIVE LIMIT**	**LOWER** ND	**UPPER** ND

EXTINGUISHING MEDIA Flood with water in early stages. Nitrate may fuse or melt in large fires and water may result in scattering of molten material. Avoid water on molten salt

SPECIAL FIRE HAZARD & FIRE FIGHTING PROCEDURES Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
None established.

SYMPTOMS OF OVER EXPOSURE Dizziness, abdominal cramps, vomiting, headache, mental impairment, cyanosis. May cause eye, skin and mucous membrane irritation.

EMERGENCY FIRST-AID PROCEDURES

SKIN Flush with water. If an irritation develops, call a physician.

EYES Flush with water for 15 minutes, call a physician.

INGESTION Drink water, induce vomiting by sticking finger down throat. Call a physician.

INHALATION Remove victim to fresh air, call a physician.

PRODUCT CODE 724417 CHEMICAL NAME Sodium Nitrate

SECTION VI - TOXICOLOGY (PRODUCT)

ACUTE ORAL LD 50
4.3 g/kg (rats)
ACUTE DERMAL LD 50
Not determined
ACUTE INHALATION LC 50
Not determined

CARCINOGENICITY Not knownto be carcinogenic
MUTAGENICITY Mutagenic in laboratory studies
EYE IRRITATION May be an irritant
PRIMARY SKIN IRRITATION
May be an irritant

PRINCIPAL ROUTES OF ABSORPTION
Inhalation, dermal

EFFECTS OF ACUTE EXPOSURE Dizziness, abdominal cramps, vomiting, headache, mental impairment, cyanosis. May cause eye, skin and mucous membrane irritation.

EFFECTS OF CHRONIC EXPOSURE
None expected at industrial use levels.

SECTION VII - SPILL AND LEAKAGE PROCEDURES (CONTROL PROCEDURES)

ACTION FOR MATERIAL RELEASE OR SPILL
Remove all sources of ignition. Wear NIOSH/MSHA approved dust respirator. Follow OSHA regulations for respirator use (see 29 CFR 1910.134). Wear goggles, coveralls, impervious gloves and boots. Clean up in a manner to minimize contamination with organic material. Do not return material to original container. Place in a fresh container and isolate outside or in a well-ventilated area. Do not seal the container. Wash all contaminated clothing before reuse. In the event of a large spill, call the emergency telephone number shown on the front of this sheet.

TRANSPORTATION EMERGENCY, CONTACT CHEMTREC 800-424-9300

WASTE DISPOSAL METHOD
Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate Federal, State and local regulatory agencies to ascertain proper disposal procedures.

SECTION VIII - SHIPPING DATA

D.O.T. Sodium Nitrate, Oxidizer, UN 1498

SECTION IX - REACTIVITY DATA

STABLE	UNSTABLE X AT ____ C 1000 F	HAZARDOUS POLYMERIZATION	MAY OCCUR
			WILL NOT OCCUR X

CONDITIONS TO AVOID
Temperatures > 1000°F
INCOMPATIBILITY (MATERIAL TO AVOID)
Organic materials, cyanides, reducing materials
HAZARDOUS DECOMPOSITION PRODUCTS
Oxides of nitrogen

SECTION X - PHYSICAL DATA

MELTING POINT 306°C	VAPOR PRESSURE No data	VOLATILES nil
BOILING POINT No data	SOLUBILITY IN WATER Soluble	EVAPORATION RATE No data
SPECIFIC GRAVITY (H2O=1) 2.26	PH No data	VAPOR DENSITY (AIR=1) 2.9

INFORMATION: FURNISHED TO 95356059 FURNISHED BY DATE MAY 13, 1986

ATTN: DEPT HANDLING MATL SAFETY DATA SHEETS
VAN WATERS ROGERS
DIV OF UNIVAR CORP
1363 S BONNIE BEACH
LOS ANGELES CA 90023

Department of Environmental Hygiene and Toxicology
(203) 789-5436

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