
SECTION 5 - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Dizziness, nausea, weakness if taken internally

EMERGENCY AND FIRST AID: Wash off affected area with water or induce vomiting if ingested.

EYES & SKIN: Wash off with large amounts of water for 15 minutes.
INGESTION/INHALATION: Internal--induce vomiting. Consult physician.

SECTION 6 - REACTIVITY DATA

STABILITY: Yes

CONDITIONS TO AVOID: Storing near heat or incompatible chemicals

INCOMPATIBILITY: Reducing agents, B, BaS, Na acetate, Ti, S, trichloroethylene, charcoal

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen upon heating to decomposition

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN: Dilute with water, and cover with soda ash, mix and scoop into a beaker of water, neutralize with HCl and wash down drain with excess water.

WASTE DISPOSAL METHOD: Add to a large container of water, stir in slight excess of soda ash. Let stand 24 hours. Neutralize with 6M HCl and wash down drain with excess water. Observe all Federal, State, and local laws.

SECTION 8 - SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION: N/A

VENTILATION: N/A

PROTECTIVE GLOVES: N/A

EYE PROTECTION: Safety goggles

OTHER PROTECTIVE EQUIPMENT: N/A

OMEGA ENGINEERING, INC.
MATERIAL SAFETY DATA SHEET
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MSDS-0247
ISE-8770-R1
REV. DATE: 11/16/93

SECTION 1 - IDENTIFICATION

PRODUCT (TRADE) NAME: Chloride ISA 5M NaNO₃
CHEMICAL FAMILY: Salt solution
CHEMICAL NAME: Sodium Nitrate in Water
DATE PREPARED: 11/9/91

SUPPLIER: OMEGA ENGINEERING, INC.
P.O. BOX 4047
STAMFORD, CT 06907

TELEPHONE: (203) 359-1660

SHIPPING NAME (UN NUMBER PER TRANSPORTATION AUTHORITY):
DOT: IATA: Oxidizer

SECTION 2 - INGREDIENTS

CAS NO.	%	CHEMICAL NAME(S)	LD50 (mg/kg) oral-rat	OSHA/PEL ACGIH TLV
7631-99-4	42.5%	Sodium Nitrate	913	none
7732-18-5	57.5%	Water	--	none

SECTION 3 - PHYSICAL DATA

BOILING POINT: 100°C
SPECIFIC GRAVITY: 1.1
VAPOR PRESSURE: N/A
FREEZING POINT: -4°C
VAPOR DENSITY: N/A
pH: 5.5-7.5
WATER SOLUBILITY: Soluble
APPEARANCE AND ODOR: Colorless, odorless liquid

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not flammable
AUTOIGNITION TEMPERATURE: N/A
EXTINGUISHING MEDIA: Any

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARD: Nitrate may render other materials
more combustible if allowed to dry out upon them.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store at room temperature and keep cap tightly sealed to protect product integrity.

OTHER PRECAUTIONS: Sodium nitrate is listed in table 172.101 of Title 49 CFR.

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