

MATERIAL SAFETY DATA SHEET – SODIUM CHLORIDE

CAUTION – MAY CAUSE SKIN AND EYE IRRITATION

INTREPID

INTREPID POTASH – MOAB, LLC

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TRANSPORTATION EMERGENCIES: CALL (800) 424-9300(CHEMTREC)
HEALTH EMERGENCIES: CONTACT YOUR LOCAL POISON CENTER

1. PRODUCT INFORMATION

TRADE NAME & SYNONYMS	SALT	FORMULA
NACL		
CHEMICAL NAME	Sodium chloride, Halite	CHEMICAL FAMILY
Inorganic Salt		
CAS NUMBER	7647-14-5	
Listed in:	OSHA SUBPART Z _____ ACGIH TLV LISTS: _____ NTP LIST; IARC MONOGRAPH: <u>X</u> NONE OF THE ABOVE	

2. TYPICAL COMPOSITION

INGREDIENTS	%	CAS#
Sodium Chloride	98.5	
Potassium chloride	1.3	7447-40-7

3. PHYSICAL DATA

BOILING POINT (°F)	2669	MELTING POINT (°F)	1474
VAPOR PRESSURE (mm Hg.)	N/A	SPECIFIC GRAVITY (H₂O-1)	2.17
VAPOR DENSITY (AIR-1)	N/A	PERCENT VOLATILE	N/A
SOLUBILITY IN WATER	26.5% @ 77°F	EVAPORATION RATE	N/A
APPEARANCE	White crystalline solid	ODOR	No
Odor			
PH	6.7-7.3	OTHER	65 pounds per cubic foot loose 75 pounds per cubic foot tamped

4. FIRE AND EXPLOSIVE HAZARD INFORMATION

FLASH POINT (METHOD USED)	Not Combustible	FLAMMABLE LIMITS	LEL
N/A			UEL
EXTINGUISHING MEDIA	N/A		
SPECIAL FIRE FIGHTING PROCEDURES	Use self-contained breathing apparatus and full protective clothing when entering enclosed or confined areas.		
UNUSUAL FIRE AND EXPLOSION HAZARDS	When bulk sodium chloride is heated to high temperatures, a vapor is emitted which is irritating to the eyes, particularly.		

5. HEALTH INFORMATION

THRESHOLD LIMIT VALUE:
None Established. OSHA total nuisance dust limit of 15 mg/m³ and a respirable fraction of 15 mg/m³ and a respirable fraction of 5 Mg/m³. The ACGIH nuisance dust TLV of 10 mg/m³ for the 8 hour time weighted average applies.

EFFECTS OF OVEREXPOSURE:
EYE-Irritant. SKIN-Slightly irritating. INHALATION-May irritate nose and upper respiratory tract. INGESTION-Large doses can irritate the stomach. Low toxicity. (Toxicity LD50 Rat=3.75 g/kg).

EMERGENCY AND FIRST AID PROCEDURES:
EYE-Flush thoroughly with water. Seek medical attention if irritation persists.
SKIN-Wash thoroughly with soap and water.
INHALATION-Remove to fresh air. If discomfort continues, seek medical attention.

INGESTION-If person is conscious, give large amounts of water to drink and induce vomiting. Seek medical attention.

(N/A = Not Applicable)

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6. REACTIVITY DATA

STABLE No	Yes	SUBJECT TO HAZARDOUS POLYMERIZATION
CONDITIONS TO AVOID None	High temperatures	CONDITIONS TO AVOID
HAZARDOUS DECOMPOSITION PRODUCTS	None	

INCOMPATIBILITY (Materials to Avoid) Strong acids-can cause release of toxic chloride gases.

7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Contain as a dry solid. Prevent large quantities from contact with waterways or vegetation.

WASTE DISPOSAL METHOD:

If uncontaminated, recover and reuse product. Consult State or Federal environmental regulatory agencies for acceptable disposal Procedures and locations.

8. PERSONAL PROTECTION INFORMATION

EYE: Tight fitting goggles should be worn in dusty areas.
SKIN: If irritation occurs, long sleeves and impervious gloves should be worn.
RESPIRATORY: A NIOSH-approved dust respirator should be used when exposure exceeds the OSHA standard of 15 mg/m³.

9. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Causes corrosion of many common metals.

OTHER PRECAUTIONS: None

10. ADDITIONAL INFORMATION

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