

SENECA MINERAL COMPANY

MATERIAL SAFETY DATA SHEET

LS25

SECTION 1 – PRODUCT AND MANUFACTURING INFORMATION

PRODUCT DESCRIPTION	PRODUCT NAME
Salt Brine	LS25

SECTION 2 – COMPONENTS AND HAZARDOUS INGREDIENTS

CHEMICAL/COMMON NAME	CAS-NUMBER	%	OSHA-PEL	NTP LISTED
Calcium Chloride	10043-52-4	20-30	NE	NE
Sodium Chloride	7647-14-5	3-7	NE	NE
Potassium Chloride	7447-40-7	0-2	15 mg/m3 total dust. 5 mg/m3 respirable fractions from nuisance dust	10 mg/m3 total dust containing no asbestos and <1% crystalline silica for particles not otherwise classified.
Magnesium Chloride	7786-30-3	0-3	NE	NE
Water		58-77	NE	NE

SECTION 3 – TYPICAL PHYSICAL PROPERTIES

Melting Point	-24(F)	Odor	Salty
Boiling Point	Unknown	Specific Gravity (water = 1)	1.274
Vapor Density (air = 1)	Unknown	Percent Volatiles (by volume)	Non-volatile
Solubility In Water	Very Soluble	Vapor Pressure	Unknown
Appearance	Clear to slight yellow	Molecular Weight	Unknown

SECTION 4 – FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (METHOD) NONE NA	FLAMMABILITY LIMITS (% by volume in air) LEL: N/A UEL: N/A	AUTOIGNITION TEMPERATURE N/A
FIRE AND EXPLOSION HAZARDS		None
EXTINGUISHING MEDIA		Non-combustible
SPECIAL FIREFIGHTING PRODCDURES		None

SECTION 5 – REACTIVITY INFORMATION

STABILITY	Stable
STABILITY (CONDITIONS TO AVOID)	Metals corrode slowly in aqueous calcium chloride solutions. Aluminum, alloys and yellow brass will be attacked. Highly hygroscopic, gives off heat while dissolving.
CHEMICAL INCOMPATIBILITY	Calcium Chloride is incompatible with boric oxide, calcium oxide and bromine trifluoride: reacts with zinc to form explosive hydrogen gas: catalyzes exothermic polymerization of vinyl ether.
HAZARDOUS POLYMERIZATION	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS	Of Calcium Chloride: hydrogen chloride

SECTION 6 – NATIONAL FIRE PROTECTION ASSO. (NFPA) RATINGS:

HEALTH 1	FLAMMABILITY 0	REACTIVITY 0	SPECIAL 0
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SECTION 7 – HEALTH HAZARD & FIRST AID INFORMATION	
ROUTES OF ENTRY	EFFECTS OF OVEREXPOSURE
INHALATION	Low toxicity. Concentration of 10mg/m3 in breathable air been suggested.
EYE CONTACT	Severe irritation and moderate corneal injury.
SKIN CONTACT	Strong solutions or solids on moist skin may cause marked irritation, even burn. Mild irritation on dry skin. Skin absorption, not considered absorbable through the skin in toxic amounts.
INGESTION	Low toxicity in single dose.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES	
INHALATION	Remove to fresh air if effects occur. Consult physician if symptoms appear.
EYES	Irrigate with flowing water immediately and continuously for 15 minutes, occasionally lifting lids. Consult medical personnel if irritation persists.
SKIN	Wash area with water for 15 minutes. Remove contaminated clothing, Get medical aid if irritation develops or persists.
INGESTION	Induce vomiting immediately as directed by medical personnel. Seek medical attention.

SECTION 9 – OCCUPATIONAL CONTROL PROCEDURES	
VENTILATION	Use in well ventilated areas.
EYE PROTECTION	Safety glasses or goggles are advisable where splashes to eye may occur.
SKIN PROTECTION	Wear gloves to prevent skin exposure and appropriate clothing to protect skin.
HANDLING AND STORAGE	Wash hands and face thoroughly before eating, drinking and applying cosmetics and or using tobacco products. Keep stored in cool, dry, well ventilated area away from incompatible products.

SECTION 10 – ENVIRONMENT CONTROL PROCEDURES	
SPILL AND LEAK PROCEDURES	Absorb spill with inert material, (ie, vermiculite, sand or earth), then place in suitable container. Establish a spill prevention, control and counter-measure plan if you are a large product user.
WASTE DISPOSAL METHODS	All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. For unused and uncontaminated product, the preferred options include sending to a licensed, permitted reclaimer or waste treatment system.

SECTION 11 – REGULATORY INFORMATION	
US EPA SARA TITLE III HAZARD CATEGORY: Section 313: Contains no chemical subject to notification requirements.	TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.
US DEPARTMENT OF TRANSPORTATION (DOT): Does not appear to be regulated.	

SECTION 12 – ADDITIONAL INFORMATION	
EXPLANATION OF ABBREVIATIONS	NE=Not Established ND=Not Determined TR=Trace >=Greater Than AP=Approximate NA=Not Applicable UK=Unknown <=Less Than

FOR ADDITIONAL INFORMATION:

Please contact: Seneca Mineral Company, 8431 Edinboro Rd., Erie PA 16509 814-476-0076 or 800-291-9222 Fax 814-476-0066
While the information and recommendations set forth on this data sheet are believed to be accurate as of the present date, Seneca Mineral Company makes no warranty with respect thereto and disclaims all liability from reliance thereon. Prepared 2/22/2010