



*Inventory Library? GS*  
*gone*

LIB-ALL

1a

0. Flammability  
0. Reactivity

FOOTE MINERAL COMPANY

GENERAL SERVICES

DATE 3/15/82

# MATERIAL SAFETY DATA SHEET

CAS. - 7550-35-8

SECTION I	
MANUFACTURER'S NAME Foote Mineral Company	EMERGENCY TELEPHONE NO. (215) 363-6500
ADDRESS (Number, Street, City, State, and ZIP Code) Route 100 Exton PA 19341	
CHEMICAL NAME AND SYNONYMS Lithium Bromide Brine	TRADE NAME AND SYNONYMS Carrene 16
CHEMICAL FAMILY Salt (solution)	FORMULA LiBr (brine)

SECTION II HAZARDOUS INGREDIENTS					
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS Water	47		FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Lithium Bromide				53	
Lithium Hydroxide				<0.5	

\* Under normal atmospheric conditions, none of the water will evaporate

SECTION III PHYSICAL DATA			
BOILING POINT (°F.)	282	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.6
VAPOR PRESSURE (mm Hg.) @ 21°C	3.5	PERCENT VOLATILE BY VOLUME (%)	0±
VAPOR DENSITY (AIR=1)	NA	EVAPORATION RATE (____ -1)	NA
SOLUBILITY IN WATER	Complete		
APPEARANCE AND ODOOR	Water white clear solution Odorless		

SECTION IV FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	NA	FLAMMABLE LIMITS	Loi Uoi
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES	Not a flammable material		
UNUSUAL FIRE AND EXPLOSION HAZARDS			

Prepared By: ME Janus

SECTION V HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	TLV NA SCU-MUS LD 50: 1680 Mg/Kg
EFFECTS OF OVEREXPOSURE	Large doses of lithium compounds have caused dizziness and prostration. Inorganic bromides produce depression, emaciation, and in severe cases, psychosis and mental deterioration. The alkali content of the brine will irritate the eyes and mucous membranes.
EMERGENCY AND FIRST AID PROCEDURES	EMERGENCY AND FIRST AID PROCEDURES: Wash thoroughly after contact. For eyes, flush with water for at least 15 minutes. Get medical attention.

SECTION VI REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Wash away with water. Wear gloves and goggles.	
WASTE DISPOSAL METHOD	
Neutralize and dispose to streams according to pollution regulations.	

SECTION VIII SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type)			
VENTILATION	LOCAL EXHAUST	NA	SPECIAL
	MECHANICAL (General)	NA	OTHER
		NA	
PROTECTIVE GLOVES	Rubber or plastic	EYE PROTECTION	Chemical goggles
OTHER PROTECTIVE EQUIPMENT			

SECTION IX SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
No special precaution.	
OTHER PRECAUTIONS	

The opinions, findings and recommendations set forth in this data sheet concerning the performance, use or handling of the products or techniques herein described are based on our research and general experience. While we believe this information to be accurate and reliable, we do not guarantee accuracy or the results to be obtained in any particular utilization. It is understood that you will rely on your own tests to determine the suitability of such techniques for your own particular purposes. We warrant that the products referred to herein will conform to specifications, and we agree to replace any defective products. However, we do not assume liability for any incidental or consequential damages. NOTHING HEREIN SHALL CREATE A WARRANTY OF MERCHANTABILITY OR A WARRANTY THAT THE PRODUCT IS FIT FOR ANY PARTICULAR PURPOSE UNDER THE USPTO'S COMMERCIAL CODE.