

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

# MATERIAL SAFETY DATA SHEET

Required under USOL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

**SECTION I**

MANUFACTURER'S NAME: Great Flood Manufacturing Co., Inc.  
 ADDRESS: 1001 E. 1st St., St. Paul, MN 55101  
 PHONE: 612-291-1179  
 TRADE NAME AND SYNONYMS: Great Paste Soldering Flux  
 FORMULA: Proprietary  
 EMERGENCY TELEPHONE NO.: 516-921-7260  
 HAZARDOUS INGREDIENTS: None

**SECTION II - HAZARDOUS INGREDIENTS**

INGREDIENT	%	TLV (lb/ft <sup>3</sup> )	ALLOYS AND METALLIC COATINGS	%	TLV (lb/ft <sup>3</sup> )
PAINTS PRESERVATIVES & SOLVENTS	N/A		BASE METAL	N/A	
ADDITIONALS	N/A		ALLOYS	N/A	
VEHICLE	N/A		METALLIC COATINGS	N/A	
SOLVENTS	N/A		FLUX COATING OR CORE FLUX	N/A	
ADDITIONALS	N/A		OTHERS	N/A	
OTHERS	N/A			N/A	

HAZARDOUS MIXTURES OR OTHER LIQUIDS, SOLIDS, OR GASES

Zinc Chloride - CAS # 7646-85-7      22 mg/cu ft

Technical Preparation - CAS# A009-03-A      49 mg/cu ft

**SECTION III - PHYSICAL DATA**

PROPERTY	VALUE
BODILING POINT (°F)	N/A
VAPOR PRESSURE (mm. Hg)	N/A
VAPOR DENSITY (AIR=1)	N/A
SOLUBILITY IN WATER	Insoluble
APPEARANCE AND ODOR	Light Amber - Odorless

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Closed Cup): N/A  
 Auto Ignition Temp: N/A  
 Lower Explosive Limit: N/A  
 Upper Explosive Limit: N/A  
 Specific Gravity (4°C): 0.86  
 Vapor Density (Air=1): 01  
 Evaporation Rate: N/A  
 Solubility in Water: N/A  
 Appearance and Odor: Light Amber - Odorless

**SECTION V - HEALTH HAZARD DATA**

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TLV (mg/m<sup>3</sup>): 22  
 TLV (lb/ft<sup>3</sup>): 49  
 Do not inhale fumes. Can be irritating and can cause burns to skin, eyes, and mucous membranes.  
 Irritation with copious amounts of water. Remove contaminated clothing.  
 Contact Physician.

**SECTION VI - REACTIVITY DATA**

STABILITY	CONDITIONS TO AVOID
UNSTABLE	
STABLE	X

**SECTION VII - SPILL OR LEAK PROCEDURES**

ITEM TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
 Do not get on skin, in eyes, or in clothing. Avoid breathing mist and fumes.  
 Shovel up all material into approved containers.  
 Waste disposal method: Disposal by Federal, State and local laws.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

Respiratory Protection: None for normal use  
 Local Exhaust Ventilation: None  
 Protective Gloves: None  
 Eye Protection: None  
 Other Protective Equipment: None

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not take internally. Wash thoroughly after handling.

OTHER PRECAUTIONS: None

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