

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration  
**MATERIAL SAFETY DATA SHEET**

Form Approved  
OMB NO. 44-R1387

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

**SECTION I**

MANUFACTURER'S NAME		EMERGENCY TELEPHONE NO.
ADDRESS (Number, Street, City, State and Zip Code)		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS
CHEMICAL FAMILY	FORMULA	

**SECTION II - HAZARDOUS INGREDIENTS**

PAINTS, PRESERVATIVES & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES				%	TLV (Units)

**SECTION III - PHYSICAL DATA**

BOILING POINT (°F)	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)
VAPOR PRESSURE (mm Hg)	PERCENT VOLATILE BY VOLUME (%)
VAPOR DENSITY (Air = 1)	EVAPORATION RATE ( _____ = 1)
SOLUBILITY IN WATER	pH
APPEARANCE AND ODOR	

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

FLASH POINT (Method Used)	FLAMMABLE LIMITS
EXTINGUISHING MEDIA	
SPECIAL FIRE FIGHTING PROCEDURES	
UNUSUAL FIRE AND EXPLOSION HAZARDS	

**SECTION V - HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

SUMMARY

**SECTION VI - REACTIVITY DATA**

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

INCOMPATIBILITY (*Materials to Avoid*)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

**SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WASTE DISPOSAL METHOD

**SECTION VIII - SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION (*Specify Type*)

VENTILATION

LOCAL EXHAUST

SPECIAL

MECHANICAL (*General*)

OTHER

PROTECTIVE GLOVES

EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

OTHER PRECAUTIONS

***Hazard Ratings***

Health =

Flammability =

Reactivity =