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

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

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

## SECTION I

MANUFACTURED FOR: <b>LAWSON PRODUCTS, INC.</b>		EMERGENCY TELEPHONE NO. <b>(312) 694-9666</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>1666 East Touhy Avenue - Des Plaines, Illinois 60018</b>		
CHEMICAL NAME AND SYNONYMS <b>None</b>	TRADE NAME AND SYNONYMS <b>PERMATEX FORM-A-GASKET</b>	
CHEMICAL FAMILY <b>None</b>	FORMULA <b>Proprietary</b>	<b>(9419) Part No. 2*</b>

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS <b>Isopropanol</b>	<b>15</b>	<b>400ppm</b>	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Based on information from our suppliers, the materials incorporated into this product are not toxic. (Isopropanol is listed for general information purposes only.)					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.) (Solvent)	180	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.50
VAPOR PRESSURE (mm Hg.) (Solvent)	31.2	PERCENT VOLATILE BY VOLUME (%)	23
VAPOR DENSITY (AIR=1)	--	EVAPORATION RATE (N-bu-Ac = 1) (Solvent)	1.7
SOLUBILITY IN WATER	12%**		
APPEARANCE AND ODOR	A black paste with an alcoholic odor.		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	180 F, T.O.C.	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	CO <sub>2</sub> or dry chemical powder			
SPECIAL FIRE FIGHTING PROCEDURES	Same as for oil-based paints.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

\* Compounded to meet Military Specification, MIL-S-45180B, Type II.

\*\* Material insoluble when dried.  
(Continued on reverse side)