

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

MANUFACTURER'S NAME SPARTAN CHEMICAL COMPANY, INC.		EMERGENCY TELEPHONE NO. 419/531-5551
ADDRESS (Number, Street, City, State, and ZIP Code) 110 North Westwood Avenue, Toledo, Ohio 43607		
CHEMICAL NAME AND SYNONYMS n/a	TRADE NAME AND SYNONYMS MLD BOWL CLEANSE	
CHEMICAL FAMILY n/a	FORMULA n/a	

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)
n-alkyl (C ₁₄ -50%; C ₁₂ -40%; C ₁₆ -10%) dimethyl benzyl ammonium chloride				05	
phosphoric acid				25	

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	210-212	SPECIFIC GRAVITY (H ₂ O=1)	1.140
VAPOR PRESSURE (mm Hg.)	33	PERCENT, VOLATILE BY VOLUME (%)	99
VAPOR DENSITY (AIR=1)	unknown	EVAPORATION RATE (but ace =1)	less than 1
SOLUBILITY IN WATER	complete		
APPEARANCE AND ODOR	pink, nonviscous, phosphoric acid based bowl cleaner		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	none	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	n/a			
SPECIAL FIRE FIGHTING PROCEDURES	none			
UNUSUAL FIRE AND EXPLOSION HAZARDS	none			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	n/a
EFFECTS OF OVEREXPOSURE	acid -- will irritate skin
EMERGENCY AND FIRST AID PROCEDURES	
EXTERNAL: In cases of accidental contact, flush w/plenty of water and get medical attention. Avoid contact w/food. INTERNAL: call physician immediately. Drink a teaspoon or more of magnesia, chalk or small pieces of soap, softened w/water in milk or raw egg white.	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID Use only on vitreous toilets and urinals
	STABLE	X	
INCOMPATABILITY (Materials to avoid) n/a			
HAZARDOUS DECOMPOSITION PRODUCTS n/a			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID do not store near explosives or articles bearing yellow DOT labels
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
flush w/water through normal sanitary sewer	
WASTE DISPOSAL METHOD	
same as above	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type) n/a			
VENTILATION	LOCAL EXHAUST	X	SPECIAL
	MECHANICAL (General)		OTHER
PROTECTIVE GLOVES recommended		EYE PROTECTION recommended	
OTHER PROTECTIVE EQUIPMENT nothing special			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
n/a	
OTHER PRECAUTIONS	
n/a	