

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 SD-20	
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/a					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212-215	SPECIFIC GRAVITY (H ₂ O=1)	1.078
VAPOR PRESSURE (mm Hg.)	18	PERCENT VOLATILE BY VOLUME (%)	83.5
VAPOR DENSITY (AIR=1)	unknown	EVAPORATION RATE (but. ace. =1)	less than 1
SOLUBILITY IN WATER	complete		

APPEARANCE AND ODOR **blue, moderately viscous water-based liquid w/citrus odor**

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE n/a

EFFECTS OF OVEREXPOSURE none

EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush w/water; if irritation persists, consult physician.

EXTERNAL: Flush affected area liberally w/water. INTERNAL:

Drink plenty of fruit juice, or vinegar, follow w/olive oil.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	n/a

INCOMPATIBILITY (Materials to avoid) n/a

HAZARDOUS DECOMPOSITION PRODUCTS n/a

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	n/a

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Flush with water

WASTE DISPOSAL METHOD

Flush through normal sanitary sewer system

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) n/a

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES not necessary EYE PROTECTION not necessary

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

keep from freezing

OTHER PRECAUTIONS

none