

SECTION I: PRODUCT INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label)
UPPER LIMITS

MANUFACTURER'S NAME
Spartan Chemical Co., Inc.

EMERGENCY TELEPHONE NO.
419/531-5551

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)
110 N. Westwood Ave., Toledo, OH 43607

MANUFACTURER'S D-U-N-S NO.
00-503-6728

NFPA RATINGS:	HMIS RATINGS:
HEALTH-0 FIRE-0 REACT-0	HEALTH-1 FIRE-0 REACT-0 PERS. PROT.-A

SECTION II: HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)	TABLE Z-1-A			CARCINOGEN
			TWA mg/M ³	STEL mg/M ³	CEILING mg/M ³	

*84-74-2	1.24	Dibutyl phthalate	5	---	---	No
3459-09-48	1-5	Dipropylene glycol methyl ether	600	900	---	No
*111-90-0	2.5	Diethylene glycol monoethyl ether	---	not established	---	No

*This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA

BOILING POINT 210°F	SPECIFIC GRAVITY (H₂O = 1) 1.030	PERCENT SOLID BY WEIGHT 19-21
VAPOR PRESSURE 18 mm Hg @ 75°F	EVAPORATION RATE (but. ace. = 1) <1	
VAPOR DENSITY (AIR = 1) Unknown	APPEARANCE AND ODOR Milky emulsion, acrylic odor	IS MATERIAL: (LIQUID) SOLID GAS PASTE POWDER
SOLUBILITY IN WATER Complete		
pH 8.0-8.5		

SECTION IV: FIRE & EXPLOSION HAZARD DATA

FLASH POINT - None	METHOD USED - ASTM - D92	FLAMMABLE LIMITS - n/a
EXTINGUISHING MEDIA - n/a		
SPECIAL FIRE FIGHTING PROCEDURES - n/a		
UNUSUAL FIRE AND EXPLOSION HAZARDS - n/a		

38060

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SECTION V: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - CONDITIONS TO AVOID **THRESHOLD LIMIT VALUE** - Not established
Vapors may be irritating to eyes and respiratory tract and may produce symptoms of headache and nausea in poorly ventilated areas.

PRIMARY ROUTES OF ENTRY INHALATION X SKIN CONTACT X OTHER (SPECIFY) _____

CONDITIONS AGGRAVATED BY USE - Unknown

EMERGENCY AND FIRST AID PROCEDURES - **EYES:** In case of contact, flush eyes immediately with water for at least 15 minutes; call a physician. **SKIN:** Wash with soap and water. **INGESTION:** If swallowed, drink large quantities of water; call a physician.

SECTION VI: REACTIVITY DATA

STABILITY: **STABLE** X
INCOMPATIBILITY (MATERIALS TO AVOID)
None known
HAZARDOUS DECOMPOSITION PRODUCTS
None known
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR X

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Small spills flush with water to sewer system. Dike and contain large spill with inert material and transfer liquid to containers for recovery or disposal.

WASTE DISPOSAL METHOD
Incineration or approved landfill.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) - None required
VENTILATION - Good general ventilation should be sufficient for most conditions. Local ventilation may be necessary for some operations.

PROTECTIVE GLOVES (SPECIFY TYPE)
Impervious gloves
OTHER PROTECTIVE EQUIPMENT
None required

EYE PROTECTION (SPECIFY TYPE)
Safety glasses

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep from freezing
OTHER PRECAUTIONS
None

Spartan Chemical Co., Inc.
UPPER LIMITS
Ref: 29 CFR 1910:1200 (OSHA)

NAME Thomas J. Mitchell
TITLE Director of Research
DATE December 15, 1992
SUPERCEDES June 1, 1990