

**SPARTAN CHEMICAL CO., INC.
MATERIAL SAFETY DATA SHEET**

SECTION I: PRODUCT INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label)

FOAMY Q & A

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-1 FIRE-0 REACT-0	HEALTH-2 FIRE-0 REACT-0 PERS. PROT.-B

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	
*7664-38-2	11	Phosphoric acid	1	3	---	No
*111-76-2	4	2-Butoxyethanol	120	---	---	No
79-14-1	<5	Hydroxyacetic acid	---	---	---	No

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

SECTION III: PHYSICAL DATA

BOILING POINT 200-210°F	SPECIFIC GRAVITY (H₂O = 1) 1.09	PERCENT SOLID BY WEIGHT 15-25
VAPOR PRESSURE 33mm Hg @ 75°F	EVAPORATION RATE (but. ace. = 1) <1	
VAPOR DENSITY (AIR = 1) Unknown	APPEARANCE AND ODOR Purple liquid, citrus floral fragrance	IS MATERIAL: (LIQUID) SOLID GAS PASTE POWDER
SOLUBILITY IN WATER Complete		
pH <2		

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 - Contact with metal may produce flammable hydrogen gas.		

SECTION V: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - CONDITIONS TO AVOID **THRESHOLD LIMIT VALUE** - Not established
May be fatal if swallowed. Product causes skin and eye damage. Inhalation of mist may cause respiratory irritation. Butoxyethanol is absorbed through the skin which may affect the liver, kidneys, lymph and blood systems; inhalation may irritate throat and respiratory system. Do not get in eyes, on skin or on clothing. Do not inhale mist.
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, immediately flush eyes with water for at least 15 minutes; call a physician immediately. SKIN: In case of contact, immediately wash skin with soap and water. If irritation persists, call a physician. INGESTION: If swallowed, do not induce vomiting. Drink large quantities of water or milk. Call a physician, hospital emergency room or poison control center. INHALATION: In case of respiratory irritation, move person to fresh air. If irritation continues, get medical attention.

SECTION VI: REACTIVITY DATA

STABILITY: **STABLE** X
INCOMPATIBILITY (MATERIALS TO AVOID)
Strong alkalis, bleach, ammonia, cyanides
HAZARDOUS DECOMPOSITION PRODUCTS
Heating to decomposition yields toxic fumes of phosphorus pentoxide.
HAZARDOUS POLYMERIZATION: **WILL NOT OCCUR** X

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Small quantities may be flushed into sanitary sewer system. Larger quantities should be picked up with absorbent material made for acid containment and disposed of in accordance with state and local regulations.
WASTE DISPOSAL METHOD
Same as above. Container Disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) - None required
VENTILATION - Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
PROTECTIVE GLOVES (SPECIFY TYPE) **EYE PROTECTION (SPECIFY TYPE)**
Acid resistant gloves Goggles or face shield
OTHER PROTECTIVE EQUIPMENT
Under certain conditions, acid resistant aprons and boots are suggested.

SECTION IX: SPECIAL PRECAUTIONS

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

Spartan Chemical Co., Inc.
FOAMY Q & A
Ref: 29 CFR 1910:1200 (OSHA)

NAME Thomas J. Mitchell
TITLE Director of Research
DATE December 17, 1992
SUPERCEDES June 1, 1990