

MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | SULL TECH 1805

PRODUCT CODE | 5419

ISSUE DATE | 10-26-13

EMERGENCY TELEPHONE NUMBERS

DISTRIBUTOR Sull-Tech Corporation
STREET ADDRESS 17 Long Boat Road
CITY, STATE, ZIP Bourne, MA 02532

Transportation: (800) 424-9300 *
 * For spill, leak, fire or transport accident emergencies.
Product Information: (781) 344-8688

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NIOSH REL
Phosphoric Acid	7664-38-2	25	1mg/m3	1mg/m3	1mg/m3

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Harmful if swallowed. Corrosive to skin and eyes.
---------------------------	---

POTENTIAL HEALTH EFFECTS	
INGESTION	Slightly hazardous. LD50 (RAT)= 1530 mg/kg for phosphoric acid. Source: RTECS Date: 1980
INHALATION	Severe irritant - TCLO (human): 100 milligrams per cubic meter for phosphoric acid. Source: RTECS Date: 1980 TLV=1 mg/cu. M for phosphoric acid. Source: ACGIH Date: 1984-85 PEL=1 mg/cu. M for phosphoric acid. Source: OSHA Date: 1974
EYE CONTACT	Severe irritant; Chemical burn likely. Source: RTECS Date: 1980
SKIN CONTACT	Severe irritant, corrosive to tissue. Source: FMC
	SKIN ABSORPTION: Slightly hazardous LD50 (rabbit)=2740 mg/kg for phosphoric acid. Source: RTECS Date: 1980

SECTION 4 -- FIRST AID MEASURES

INGESTION	Rinse mouth with water; Give copious water to cause dilution in stomach. Do not cause vomiting. GET IMMEDIATE MEDICAL ATTENTION.
INHALATION	Remove from exposure. If breathing is difficult or discomfort persists, obtain medical attention.
EYE CONTACT	IMMEDIATELY flush with copious water for at least 15 minutes. Get immediate medical attention.
SKIN CONTACT	Wash off with water for at least 15 minutes. Obtain medical attention.

NOTE TO PHYSICIAN

Moderately corrosive agent which may burn any exposed tissues upon other than very brief contact. Eyes, skin and mucous membranes should be flushed thoroughly with water, and ophthalmologic consultation should be obtained for any corneal burns. In cases of ingestion, immediate dilution with water, milk, or demulcents is worthwhile; but attempts to neutralize with a base should be avoided because of excessive gas and heat formation, which may increase the threat of esophagogastric perforation. Vomiting and diarrhea (laxative effect of phosphates) are expected with large doses. Parenteral fluid administration may be needed if losses therefrom are severe, or if shock ensues. Supportive care may be needed for such other complications as glottal edema, hematemesis and perforation (unlikely), induced vomiting should be avoided because local tissue injury may be aggravated, but the patient should be watched for hyperphosphatemia and hypocalcemia. Milk or other demulcents may be worthwhile for gastric irritation.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	Non Combustible	FLAMMABLE LIMITS	N/A
EXTINGUISHING MEDIA	Not applicable		
SPECIAL FIRE FIGHTING PROCEDURES	Use full protective clothing and self-contained breathing apparatus.		
FIRE AND EXPLOSION HAZARDS	Thermal decomposition emits toxic fumes of oxides of phosphorous.		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES**RESPONSE
TO SPILLS**

Environmental Impact: Report spills as required to appropriate authorities. U.S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify Chemtrec (800) 424-9300

Procedures if Material is Released or Spilled:

Personnel performing cleanup must use protective equipment. Sprinkle hydrated lime or soda ash on spill area. Scrape up and remove. Dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

Waste Management: Slowly add waste to a large volume of agitated solution of soda ash and slaked lime. Dispose of waste at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

SECTION 7 -- HANDLING AND STORAGE**HANDLING
PRECAUTIONS**

Use goggles and/or face shields, rubber aprons, gloves and boots where splashing or liquid contact is expected. For exposure to airborne mist use NIOSH/MSHA acid gas respirator with full facepiece.

**STORAGE
PRECAUTIONS**

Do not cut, grind, weld or drill on or near this container. Avoid contamination of food. Keep from freezing.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Observe label precautions; use personal protective equipment. Avoid breathing mists or vapors of this product.
ENGINEERING CONTROLS	No special ventilation requirements. Facilities using this product must be equipped with an eye wash station.

PERSONAL PROTECTIVE EQUIPMENT

	RESPIRATOR	Yes if exposed to mists.
X	GOGGLES / FACE SHIELD	
X	APRON	Rubber
X	GLOVES	Rubber
x	BOOTS	Rubber

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Green liquid	BOILING POINT	220°F
ODOR	No odor	FREEZING POINT	Not Established
pH	1.7 (1.0% solution)	VAPOR PRESSURE	Non Volatile
SPECIFIC GRAVITY	1.16	VAPOR DENSITY	17.5 mm Hg
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Less than 1
		(Butyl Acetate = 1)	

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY	<input type="checkbox"/>	STABLE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UNSTABLE	<input type="checkbox"/>
CONDITIONS TO AVOID	Contact with alkaline materials, reactive metals, chlorinated detergents.					
INCOMPATIBILITY	Contact with reactive metals (e.g. mild steel and aluminum) may produce flammable/explosive hydrogen-air mixtures. Reacts violently with strong bases. Chlorinated detergents will release hazardous vapors (chlorine gas).					
HAZARDOUS PRODUCTS OF DECOMPOSITION	At flame temperatures, will emit toxic phosphorus oxide fumes.					
POLYMERIZATION	<input type="checkbox"/>	WILL NOT OCCUR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MAY OCCUR	<input type="checkbox"/>
CONDITIONS TO AVOID						

SECTION 11 -- TOXICOLOGICAL INFORMATION

CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z

OTHER EFFECTS

ACUTE	Irritant, slightly toxic when inhaled or ingested.
CHRONIC	Slightly toxic with repeated inhalation or ingestion. Causes burns to exposed tissue.

SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY	<input type="checkbox"/>	CONSIDERED BIODEGRADABLE	<input type="checkbox"/>	<input type="checkbox"/>	NOT BIODEGRADABLE	<input type="checkbox"/>
BOD / COD VALUE	Not Established					
ECOTOXICITY	No Data Available					

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Product that cannot be used according to the label must be disposed of as a hazardous waste at an approved hazardous waste management facility. Empty containers may be triple rinsed then offered for recycling or reconditioning; or puncture or dispose of in a sanitary landfill.									
RCRA CLASSIFICATION	Hazardous, corrosive D002									
RECYCLE CONTAINER	<input type="checkbox"/>	YES	<input checked="" type="checkbox"/>	X	<input type="checkbox"/>	CODE	2-HDPE	<input type="checkbox"/>	NO	<input type="checkbox"/>

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION	<input type="checkbox"/>	HAZARDOUS	<input checked="" type="checkbox"/>	X	<input type="checkbox"/>	NOT HAZARDOUS	<input type="checkbox"/>
DESCRIPTION							

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

<input type="checkbox"/>	EPA REGISTERED (UNDER FIFRA)	
<input type="checkbox"/>	FDA REGULATED	
<input checked="" type="checkbox"/>	KOSHER	
<input checked="" type="checkbox"/>	SARA TITLE III MATERIAL	Phosphoric Acid
<input type="checkbox"/>	USDA AUTHORIZED	
<input type="checkbox"/>		

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

2	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Sull-Tech Corporation, in connection with the use of this information