

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	SSS SPARKLE MATE DESCALER		
PRODUCT CODE	17039, 17040	MANUFACTURED FOR	Triple S
ISSUE DATE	02-28-01	STREET ADDRESS	2 Executive Park Drive
SUPERCEDES	03-18-92	CITY, STATE ZIP	Billerica, MA 01862
		PHONE	(978) 667 7900

EMERGENCY TELEPHONE NUMBER
1-800-535-5053

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS No.	OSHA PEL/TLV	EXPOSURE LIMITS		OTHER LIMITS
			ACGIH TLV	STEL	
Phosphoric Acid	7664-27-7	1 mg/m ³	1 mg/m ³	3mg/m ³	None

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Irritation to exposed mucous membranes.
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POTENTIAL HEALTH EFFECTS	
INGESTION	Irritation and burning of mucous membranes
INHALATION	Irritation and burning of mucous membranes
EYE CONTACT	May produce serious chemical burns.
SKIN CONTACT	Itching, burning

SECTION 4 – FIRST AID MEASURES

INGESTION	DO NOT INDUCE VOMITING. Drink large quantities of water or milk. See a physician immediately.
INHALATION	Not likely to occur under conditions of use.
EYE CONTACT	Flush with water for 15 minutes. See a physician immediately.
SKIN CONTACT	Remove contaminated clothing. Flush with water. If irritation persists, see a physician.
NOTE TO PHYSICIAN	Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT / METHOD	N/A	FLAMMABLE LIMITS	N/A
% VOLATILE	N/A		
EXTINGUISHING MEDIA	Water mist, dry chemical, CO2, alcohol foam.		
SPECIAL FIRE FIGHTING PROCEDURES	Firefighters should wear a self-contained breathing apparatus as in all chemical fires.		

FIRE AND EXPLOSION HAZARDS	None
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SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Stop leak, dilute spilled material with sodium bicarbonate solution or chalk dust to greater than pH 6.5.
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SECTION 7 – HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store in a dry, cool place away from alkalis.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS

HYGIENIC PRACTICES	Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.
ENGINEERING CONTROLS	Use general mechanical ventilation to remove vapors at the source. Eyewash station is recommended.

	RESPIRATOR	Not required
X	GOGGLES / FACE SHIELD	Required; goggles should be chemical splash type
	APRON	Not required
X	GLOVES	Required; chemical resistant type
	BOOTS	Not required

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Red, clear liquid	BOILING POINT	>212° F
ODOR	Acrid odor	VAPOR PRESSURE	N/A
PH1%	<2.0	VAPOR DENSITY	N/A
SPECIFIC GRAVITY	1.210	EVAPORATION RATE (butyl acetate=1)	<<1
SOLUBILITY IN WATER	Complete		

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices.				
INCOMPATIBILITY	Alkaline material, zinc and aluminum				
HAZARDOUS PRODUCTS OF DECOMPOSITION	Oxides of carbon				
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR
CONDITIONS TO AVOID	Elevated temperatures				

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	Irritation to exposed mucous membranes
CHRONIC	None known
ORAL LD/50	Unknown

SECTION 12 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	After neutralizing, material may be flushed to sewer.
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SECTION 13 – TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS	X		NOT HAZARDOUS
DESCRIPTION	Corrosive liquid, n.o.s. (contains phosphoric acid), 8, UN 1760, PG II.				
SEATEX HM CODE	130				

SECTION 14 – OTHER INFORMATION

HMIS CLASSIFICATION

2	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
Acid	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 Triple S in connection with the use of this information.