

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

**SECTION I
PRODUCT IDENTIFICATION**

PRODUCT NAME OR NUMBER (as it appears on label)

RINSE FREE STRIP

MANUFACTURER'S NAME

Spartan Chemical Co., Inc.

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)

110 N. Westwood Ave., Toledo, OH 43607

HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101)

Unrestricted

ADDITIONAL HAZARD CLASSES (AS APPLICABLE)

n/a

EMERGENCY TELEPHONE NO.

(419) 531-5551

MANUFACTURER'S D-U-N-S NO.

00-503-6728

SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	% W	CHEMICAL NAME(S)	Table Z	ACGIH	ACGIH	CARCINOGEN
			PEL mg/M ³	TLV mg/M ³	STEL mg/M ³	
111-76-2	10-15	Ethylene glycol monobutyl ether	(skin) 240	120	360	no
141-43-5	1-5	Monoethanolamine		8		no

SECTION III - PHYSICAL DATA

BOILING POINT

200 °F ____ °C

VAPOR PRESSURE - Unknown

@ ____ °F ____ °C ____ mm Hg ____ psi

VAPOR DENSITY (AIR = 1)

Unknown

SPECIFIC GRAVITY (H₂O = 1)

0.985

PERCENT SOLID BY

WEIGHT (%)

Trace

EVAPORATION RATE (but. ace. = 1)

<1

SOLUBILITY IN WATER

Complete

pH

concentrate 11.5-12.0

APPEARANCE AND ODOR

Clear liquid, mint fragrance

IS MATERIAL:

(LIQUID)

SOLID

GAS

PASTE

POWDER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT

None

METHOD USED - ASTM - D92

FLAMMABLE LIMITS

n/a

EXTINGUISHING MEDIA

N/a

SPECIAL FIRE FIGHTING PROCEDURES

None

USUAL FIRE AND EXPLOSION HAZARDS

None

SCHOOLCRAFT COLLEGE
PURCHASING DEPARTMENT

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SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - CONDITIONS TO AVOID

THRESHOLD LIMIT VALUE - Not established

May cause skin and eye irritation. Avoid prolonged skin contact and inhalation of vapors or mist. Butoxyethanol is absorbed through the skin which may affect the liver, kidneys, lymph and blood systems; inhalation may irritate throat and respiratory system.

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

CONDITIONS AGGRAVATED BY USE - Unknown

EMERGENCY AND FIRST AID PROCEDURES - Flush eyes or skin for at least 15 minutes with plenty of water. If irritation persists, call a physician. If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician.

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE _____
 STABLE ☒

INCOMPATIBILITY (MATERIALS TO AVOID)

Do not mix with acids.

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO₂

HAZARDOUS MAY OCCUR _____
POLYMERIZATION: WILL NOT OCCUR ☒

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Flush through normal sanitary sewer system with large amounts of water.

WASTE DISPOSAL METHOD

Same as above.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

None required. Avoid prolonged breathing of vapors.

VENTILATION - Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

PROTECTIVE GLOVES (SPECIFY TYPE)

Chemical resistant

EYE PROTECTION (SPECIFY TYPE)

Safety goggles

OTHER PROTECTIVE EQUIPMENT

None necessary

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Nothing special

OTHER PRECAUTIONS - None

Spartan Chemical Co., Inc.
Rinse Free Strip
Ref: 29 CFR 1910.1200 (OSHA)
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NAME	Thomas J. Mitchell
TITLE	Director of Research
DATE	February 25, 1987
SUPERCEDES	September 30, 1985