

**SECTION I
PRODUCT IDENTIFICATION**

PRODUCT NAME OR NUMBER (as it appears on label)

M*95

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)

M*95 - Hydrochloric Acid (Compound, Cleaning, Liquid) Corrosive Material UN No. 1789

ADDITIONAL HAZARD CLASSES (AS APPLICABLE)

n/a

CHEMICAL FAMILY

n/a

EMERGENCY TELEPHONE NO.

(419) 531-5551

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

00-503-6728

FORMULA

n/a

SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)	TLV	LISTED AS A CARCINOGEN IN NTP, IARC OR OSHA 1910(Z) (SPECIFY)
------------------	----	------------------	-----	---

7647-01-0

9.5

Hydrochloric acid

7 mg/M³

no

(ceiling)

SECTION III - PHYSICAL DATA

BOILING POINT

210-212 °F °C

SPECIFIC GRAVITY (H₂O = 1)

1.04

VAPOR PRESSURE - 18

@ 75 °F °C x mm Hg psi

PERCENT SOLID BY

WEIGHT (%)

VAPOR DENSITY (AIR = 1)

EVAPORATION RATE (but. ace. = 1)

1-2

Unknown

<1

SOLUBILITY IN WATER

APPEARANCE AND ODOR

Complete

Opaque green liquid, pine

pH

fragrance

<1

IS MATERIAL: (LIQUID) SOLID

GAS PASTE POWDER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT - None

°F °C

METHOD USED - ASTM - D92

FLAMMABLE LIMITS - n/a

LEL UEL

EXTINGUISHING MEDIA

n/a

SPECIAL FIRE FIGHTING PROCEDURES

None

UNUSUAL FIRE AND EXPLOSION HAZARDS

None

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - CONDITIONS TO AVOID

THRESHOLD LIMIT VALUE - Not established

Product is corrosive to skin and eyes. May be fatal if swallowed. Avoid contact with skin and eyes.

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

CONDITIONS AGGRAVATED BY USE

Unknown

EMERGENCY AND FIRST AID PROCEDURES - In case of eye contact, wash with water for 15 minutes. Get prompt medical attention. For skin contact wipe off acid gently and immediately flood the surface with water using soap freely; then cover with moist magnesia or baking soda. If swallowed, call a physician immediately. Drink a teaspoonful or more of milk of magnesia or a cup of soapy water followed with milk or raw egg whites.

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE _____ CONDITIONS TO AVOID
STABLE x

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong alkali

HAZARDOUS DECOMPOSITION PRODUCTS

HCl, CO, CO₂

HAZARDOUS MAY OCCUR _____ CONDITIONS TO AVOID _____

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. 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.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

Not required

LOCAL EXHAUST (SPECIFY RATE) - x

VENTILATION:

MECHANICAL (GENERAL) (SPECIFY RATE) _____

SPECIAL

OTHER

PROTECTIVE GLOVES (SPECIFY TYPE)

Acid resistant gloves

EYE PROTECTION (SPECIFY TYPE)

Goggles or face shield

OTHER PROTECTIVE EQUIPMENT

None

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep from freezing.

OTHER PRECAUTIONS

None

Spartan Chemical Co., Inc.
M#95
Ref: 29 CFR 1910:1200 (OSHA)

NAME
TITLE
DATE

Thomas J. Mitchell
Assistant Vice President, Research
September 30, 1985