#### WARD'S

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#### Vapor Pressure (mm Hg) Formula Extinguisher Media Appearance and Odor Solubility in Water Vapor Density (Air = 1) Boiling Point (°F) Principal Hazardous Component(s) C.A.S. No. Product SECTION IV Melting Point (°F) Unit(s) Size SECTION III PHYSICAL DATA SECTION SECTION ish Point lethod Used) VAPOR EXTREMELY IRRITATING - COMBUSTIBLE. SAMER! II HAZARDOUS INGREDIENTS OF MIXTURES Ethanoic Acid ACETIC ACID, GLACIAL 500 mL. 1 Lt., 2.5 CH3COOH Large spills, use water spray or alcohol foam. Carbon dioxide (CO<sub>2</sub>); dry chemical (ABC); alcohol foam. ₩ POISON ₩ Acetic Acid, Glacial 104°F (39°C)(CC). NAME FIRE AND EXPLOSION HAZARD DATA Clear colorless liquid; strongly pungent vinegar-like odor. 2.07 @ 68°F 11.7mm Complete. 16.7°C 244°F (118°C) CAUSES SEVERE SKIN AND EYE BURNS F % by Yolume 8212°F Lower 5.4 Evaporation Rate Percent Volatile by Volume (%) Specific Gravity (H,D = 1) 24 HOUR EMERGENCY ASSISTANCE **FAST HAZARD RATING** CHEMTREC 800-424-9300 99.5% Day 718-228-6177 Ngm 716-334-4222 % <u>"</u> MODERATE 1.050 @ 20°C/4°C. 0.979 10 ppm Mouse (oral) LD<sub>SO</sub> Sg/Kg. TLV Units ယ နို Reactivity 2 Health 2 16.0 FI-6 2 EXTREME 4

#### SPECIAL FIREFIGHTING PROCEDURES

self-contained breathing apparatus. container. In fire conditions, wear a NISOM-approved fire and should not be used. Use water spray to cool Water in a straight hose stream will scatter and spread

Autoignition temperature: 1050°F.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapors are heavier than air and may travel along the ground be moved by ventilation and ignited by heat or spark. Acid oxidizing materials. exposed to heat and flame; can react vigorously with form explosive mixtures with air. Moderate fire hazard, when reacts with most metals to release hydrogen gas which can 9

### CORROSIVE MATERIAL.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

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# MATERIAL SAFETY DATA SHEET

## SECTION V HEALTH HAZARD DATA

Threshold Limited Value

10 ppm or  $25 \text{ mg/m}^3$  (ACGIH, 1981)

Effects of Overexposure

Vapor causes irritation of eyes, nose and throat. Liquid causes severe burns to eyes and skin. May be fatal if swallowed. Swallowing results in severe damage to mucous membranes and deep tissues. Swallowing results

**363859** 

Emergency and First Aid Procedures

of water, follow with milk of magnesia, beaten eggs, or vegetable oil. Get prompt medical attention. to fresh air. Call a physician. medical attention. Flush eyes or skin with water for 15 minutes. For eyes, get immediate amountance. If swallowed, do not induce vomiting. Drink large quantities If breathing is affected by vapor inhalation, remove a physician. Administer oxygen. Speed is of primar

SECTION VI	REAC	REACTIVITY DATA
Stability Unstable		Conditions to Avoid Keep from freezing.
Stable	*	Excessive temperature and heat.
Incompatibility Strong exidents, hydroxides, exidentials to avoid  (Chromic acids, sedium peroxides.)	Strong oxi	Strong oxidants, hydroxides, oxides, xylenes, combustible materials. (Chromic acids, sodium peroxides.)
Hazardous Decomposition Products	oducts	Dangerous: when heated to decomposition, emits Coxic fumes.
Hazardous Polymerization	zation	Conditions to Avoid
May Occur Will	Will Not Occur	
	×	
SECTION VII	SPILL	SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Eliminate all source of ignition. Cover contaminated surfaces with sods ash or sodium bicarbonate. Mix and add water if regulations permit. waste down drain with excess water, if local environmental necessary. Scoop up slurry and wash neutral (make litmus test

Waste Disposal Method

Neutralize with sodium bicarbonate and amounts of water. flush to sewer with copious

Discharge, treatment, or disposal may be subject to federal, state, or local laws

### SECTION VIII SPECIAL PROTECTION INFORMATION

Ventilation Local Exhaust (General) scity Type) for laboratory use work in ventilation hood or wear a KIOSH-approved respirator. Recommended Recommended. Special No. Other No. Chemical safety goggles face shield.

Ither Protective Soggles and shield. Tab coat, apron, vented hood, proper gloves, fire extinguisher, eye wash

**Eye Protection** 

Protective Gloves | Rubber.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

Keep away from heat and open flame. Keep in tightly closed container, temperature above  $17^{\circ}C$  ( $63^{\circ}F$ ). If frozen, thaw by moving closed contain to warm area. Loosen closure cautiously.

Other Precautions

seep container lightly closed when not in use

Read label on container before using.

Do not get liquid or vapor in eyes. Wash thoroughly after handling. on skin . on clothing. Avoid breat

For laboratory use only. Not for drug, food or household use. Keep out of reach of children

Rev. No. // Date /12/87 Approved Munder C. Jacant. Chemical Safety &

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