

WARDS NATURAL SCIENCE ESTABLISHMENT INC -- ACETIC ACID, GLACIAL 39W0125 --
6810-00-222-2634

===== Product Identification =====

Product ID: ACETIC ACID, GLACIAL 39W0125

MSDS Date: 12/01/1987

FSC: 6810

NIIN: 00-222-2634

Status Code: A

MSDS Number: CJKQN

=== Responsible Party ===

Company Name: WARDS NATURAL SCIENCE ESTABLISHMENT INC

Address: 5100 W HENRIETTA RD

City: ROCHESTER

State: NY

ZIP: 14692

Country: US

In

fo Phone Num: (716) 359-2502 OR 800-962-2660

Emergency Phone Num: 716-226-6177/715-334-4222

Resp. Party Other MSDS Num.: AA 05

Preparer's Name: ALEXANDER POECCIOLLI (SP)

Chemtrec Ind/Phone: (800) 424-9300

CAGE: 63759

=== Contractor Identification ===

Company Name: WARDS NATURAL SCIENCE ESTABLISHMENT INC

Address: 5100 W HENRIETTA RD

Box: 92912

City: ROCHESTER

State: NY

ZIP: 14692-9012

Country: US

Phone: (716) 359-2502

CAGE: 63759

===== Composition/Information on Ingredients =====

Ingred Name: G

LACIAL ACETIC ACID

CAS:64-19-7

RTECS #:AF1225000

= Wt:99.5

OSHA PEL:25 MG/M3;10 PPM

ACGIH TLV:25 MG/M3;10 PPM

ACGIH STEL:37 MG/M3;15 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic: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 D

AMAGE TO MUCOUS

MEMBRANES AND DEEP TISSUES.

Effects of Overexposure:EYES: IRRITATION, SEVERE BURNS. SKIN:

IRRITATION, SEVERE BURNS. INHALATION:SEVERE DAMAGE TO MUCOUS

MEMBRANES AND DEEP TISSUES. INGESTION: SEVERE DAMAGE TO MUCOUS MEMBRANES, AND DEEP TISSUES. MAY BE FA TAL.

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===== First Aid Measures =====

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH EXPOSED SKIN AREA WITH

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LARGE AMOUNTS OF WATER.INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTI ON. ADMINISTER OXYGEN. SPEED IS OF PRIMARY IMPORTANCE.

INGESTION: DO NOT INDUCE VOMITING. DRINK LARGE AMOUNTS OF WATER. FOLLOW WITH MILK OF MAGNESIA, BEATEN EGGS, OR VEGETABLE OIL. GET MEDICAL ATTENT ION.

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===== Fire Fighting Measures =====

Flash Point Method:CC

Flash Point:=40.C, 104.F

Autoignition Temp:=565.6C, 1050.F

Lower Limits:5.4

Upper Limits:16.0

Extinguishi

ng Media:CARBON DIOXIDE(CO2); DRY CHEMICAL(ABC); ALCOHOL FOAM. LARGE SPILLS, USE WATER SPRAY OR ALCOHOL FOAM.

Fire Fighting Procedures:WATER IN A STRAIGHT HOSE STREAM WILL SCATTER AND SPREAD FIRE AND SHOULD NOT BE USED. USE WATER SPRAY TO COOL CONTAINERS. IN FIRE CONDITIONS, WEAR A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT OR SP

ARK. ACID REACTS WITH MOST METALS TO RELEASE HYDROGEN GAS WHICH CAN FORM EXPLOSIVE MIXTURES WITH AIR. MODERATE FIRE HAZARD, WHEN EXPOSED TO HEAT AND FLAME; CAN REACT VIGOROUSLY WITH OXIDIZING MATERIALS.

===== Accidental Release Measures =====

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. COVER CONTAMINATED SURFACES WITH SODA ASH OR SODIUM BICARBONATE. MIX AND ADD WATER IF NECESSARY. SCRAP UP SLURRY AND WASH NEUTRAL (MAKE LITMUS

TEST) WASTE DOWN DRAIN WITH EXCESS WATER, IF LOCAL ENVIRONMENTAL REGULATIONS PERMIT.

Neutralizing Agent:SODIUM BICARBONATE

===== Handling and Storage =====

Handling and Storage Precautions:KEEP AWAY FROM HEAT, AND OPEN FLAMES. KEEP IN TIGHTLY CLOSED CONTAINER, AT A TEMPERATURE ABOVE 17C (63F). IF FROZEN, THAW BY MOVING CLOSED CONTAINER TO WARM AREA. LOOSEN CLOSURE CAUTIOUSLY. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions:

READ LABEL ON CONTAINER BEFORE USING. DO NOT GET LIQUID OR VAPOR IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING VAPOR. WASH THOROUGHLY AFTER HANDLING. PRODUCT IS FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD, OR HOUSEHOLD USE. KEEP OUT OF REACH OF CHILDREN.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:FOR LABORATORY USE WORK IN VENTILATED HOOD OR WEAR NIOSH APPROVED RESPIRATOR.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL)

AL): RECOMMENDED

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES, FACE SHIELD.

Other Protective Equipment:GOGGLES AND SHIELD, LAB COAT, APRON, VENTED HOOD, PROPER GLOVES, FIRE EXTINGUISHER, EYE WASH STATION

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:F6

Boiling Pt:=117.8C, 244.F

Melt/

Freeze Pt:=16.7C, 62.1F

Vapor Pres:11.T MMHG @ 0.68F

Vapor Density:2.07

Spec Gravity:1.050

Evaporation Rate & Reference:0.97 (BUT. AC. =1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS LIQUID; STRONG PUNGENT VINEGAR-LIKE ODOR)

Percent Volatiles by Volume:100%

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDANTS, HYDROXIDES, OXIDES, XYLENES, COMBUSTIBLE MATERIALS. (CHROMIC ACIDS, SODIUM PERO

XIDES)

Stability Condition to Avoid:KEEP FROM FREEZING, EXCESSIVE TEMPERATURE AND HEAT.

Hazardous Decomposition Products:DANGEROUS: WHEN HEATED TO DECOMPOSITION, EMITS TOXIC FUMES.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:NEUTRALIZE WITH SODIUM BICARBONATE AND FLUSHTO SWER WITH COPIOUS AMOUNTS OF WATER. DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO FEDERAL, STATE, OR LOCAL

LAWS.

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