

MSDS - Material Safety Data Sheet**Product Name: Humidifier Descaler**

MSDS No.: 039825

Part Numbers Covered:

039825

I. Basic Information:**Manufacturer:** WILLIAM H. HARVEY COMPANY**Address:** 4334 SOUTH 67TH STREET**City, ST Zip:** OMAHA, NE 68117-1019**Emergency Contact:** CHEMTREC**Emergency Telephone Number:** (800)424-9300**Contact:** Ray Rael / Jason Hertz**Information Telephone Number:** (800)228-9681**Last Update:** 07/08/2002**Expiration Date:****Chemical State:** Liquid Gas Solid**Chemical Type:** Pure Mixture

1	Health
0	Flammability
0	Reactivity
B	Pers. Protection

II. Ingredients: Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB	Z	313				
7647010	Hydrochloric acid	NI							1 MG/M3	3 MG/M3	NI

III. Hazardous Identification:**Hazard Category:**
 Acute Chronic Fire Pressure Reactive
Hazardous Identification Information:

NDA

IV. First Aid Measures:**Route(s) of Entry:**

INHALATION AND INGESTION

Health Hazards (Acute and Chronic):

IRRITATION MAY RESULT FROM CONTACT BY SENSITIVE INDIVIDUALS.

Signs and Symptoms:

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EYES: REDNESS, BURNING
SKIN: RASH, DRYNESS
INHALATION: HEADACHE
INGESTION: NAUSEA, VOMITING, CRAMPS

Medical Conditions Generally Aggravated by Exposure:

NI

Emergency and First Aid Procedures:

EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.
SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.
INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION.

EMERGENCY FIRST AID CALL: 1-303-623-5716 COLLECT
INGESTION: GIVE PLENTY OF WATER. SEEK MEDICAL ATTENTION. NEVER GIVE LIQUIDS TO AN UNCONSCIOUS PERSON.

Other Health Warnings:

NI

V. Fire Fighting Measures:

Flash Point: NI

Lower Explosive Limit: NI

Upper Explosive Limit:

F.P. Method:

Fire Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER

Special Fire Fighting Procedures:

USE SELF-CONTAINED BREATHING APPARATUS

Unusual Fire and Explosion:

None known.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

VACUUM, ABSORB, OR FLUSH TO A CHEMICAL SEWER. DO NOT USE ANY METHOD WHICH WILL GENERATE DUST. AVOID CONTACT, FUMES, AND DUST.

VII. Handling and Storage:

Precautions to be Taken:

NI

Other Precautions:

NI

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

NORMAL ROOM VENTILATION, MECHANICAL IS OK

Personal Protective Equipment:

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ORGANIC VAPOR MASK FOR FUMES ABOVE TLV, IMPERVIOUS PROTECTION GLOVES AND CLOTHING, GOGGLES OR FACE SHIELD, AND OTHER PROTECTIVE EQUIPMENT AS DETERMINED BY OR RECOMMENDED BY FEDERAL, STATE, OR LOCAL REGULATIONS.

IX. Physical and Chemical Properties:

Boiling Point: NI

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1): 1

Vapor Pressure (mm Hg.): NI

Specific Gravity (H2O = 1): 1.06400

Vapor Density (AIR = 1): NI

Solubility In Water: INSOLUBLE

Appearance and Odor: CLEAR TO TRANSLUCENT AQUA LIQUID WI

Other Information:

X. Stability and Reactivity:

Stability:

STABLE

Incompatibility (Materials to Avoid):

OXIDIZING MATERIALS

Decomposition/By Products:

Nitrous oxides, ammonical vapors

Hazardous Polymerization:

WILL NOT OCCUR

XI. Toxicological Information:

NDA

XII. Ecological Information:

NDA

XIII. Disposal Considerations:

DISPOSE OF THIS PRODUCT OR ITS RESIDUES IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.

XIV. Transport Information:

TRANSPORTATION INFORMATION:

DOT PROPER SHIPPING NAME: N/A

DOT LABEL: N/A

DOT NUMBER: N/A

UN NUMBER: N/A

IMCO CLASS: N/A

DOT HAZARD CLASSIFICATION: N/A

XV. Regulatory Information:

NDA

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XVI. Other Information:

NI

ABBREVIATIONS:

N/A = NOT APPLICABLE N/I = NONE INDICATED NDA = NO DATA AVAILABLE
N/E = NOT ESTABLISHED C = CELSIUS DEGREES F = FAHRENHEIT DEGREES

DISCLAIMER:

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