

MATERIAL SAFETY DATA SHEET



MANUFACTURER NAME:

BLUE WAVE ULTRASONICS
960 SOUTH ROLFF STREET, DAVENPORT, IOWA 52802

PRODUCT NAME:

ORGANIC ACID

CHEMICAL NAME:

CHEMICAL FAMILY: ORGANIC ACID

DATE MSDS WAS PREPARED: Nov 20, 2003

MSDS PREPARED BY: MDJ/CTB

PHONE NUMBER(FOR INFORMATION):

1-800-373-0144

EMERGENCY PHONE NUMBER:

1-800-424-9300 Chemtrec

SECTION I: MATERIAL IDENTIFICATION AND INFORMATION

The composition of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse. The following is a list of hazardous materials, as defined in CFR title 29 part 1910.1200, contained within this mixture.

COMPONENTS - Chemical Name or Common Name	CAS NUMBER	APPROXIMATE % (Weight)	AIR CONTAMINATE LEVELS		
			TLV (ppm)	STEL (ppm)	CEILING (ppm)
Hazardous Components 1% or greater, Carcinogens 0.1% or greater					

NONE

SECTION II: PHYSICAL PROPERTIES / CHEMICAL CHARACTERISTICS

BOILING POINT / RANGE	N/D	pH: (1% SOLUTION)	2.2
FREEZING POINT	N/D	SPECIFIC GRAVITY (Water=1)	1.542 Kg/l
VAPOR PRESSURE (MM Hg)	N/D	SOLUBILITY IN WATER	62%
VAPOR DENSITY (AIR=1)	N/D	APPEARANCE:	POWDER, CRYSTAL FLAKE
EVAPORATION RATE (N-Butyl Acetate =1)	1.000	ODOR	NONE

SECTION III: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method)	AUTO-IGNITION TEMP	FLAMMABLE LIMITS	UPPER:	LOWER:
N/D	N/D	(% VOLUME IN AIR)	N/D	N/D

RECOMMENDED EXTINGUISHING MEDIA: CO2, Dry Chemical, or Foam Extinguisher or Water Fog.

FIRE FIGHTING PROCEDURES:

Prevent human exposure to fire, fumes, smoke and products of combustion. Evacuate non-essential personnel. Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing. Use water to cool containers exposed to fire.

UNUSUAL FIRE & EXPLOSION HAZARDS: NONE

SECTION IV. HEALTH HAZARDS**POTENTIAL EFFECTS OF EXPOSURE**

EYE CONTACT: Direct contact may cause severe irritation.
SKIN CONTACT: May cause mild skin irritation.
INHALATION: May cause mild irritation.
INGESTION: NONE

SECTION V. FIRST AID MEASURES

EYE CONTACT: Flush eye with copious amounts of water immediately.
SKIN CONTACT: Wash with water to remove concentrate or dilution. If irritation persists seek medical attention.
INGESTION: Do not induce vomiting. Drink large quantities of water.
INHALATION: Remove to fresh air.

SECTION VI. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: None Necessary.
SKIN PROTECTION: None Necessary.
VENTILATION: None Necessary.

SECTION VII. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: Organic Bases, and Amphoteric Metals.
HAZARDOUS DECOMPOSITION PRODUCTS: Silicon Dioxide, Carbon Dioxide, Carbon Monoxide and traces of in completely burned carbon products.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VIII. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be made in accordance with federal, state, and local regulations.

SECTION IX. SHIPPING INFORMATION

DOT DESCRIPTION: COMPOUNDS, CLEANING LIQUID
DOT HAZARDOUS MATERIAL LABELS: NONE

SECTION X. STORAGE INFORMATION

STORAGE: Store in a cool dry place, out of direct sunlight.
HMIS/NFPA

HMIS	Health - 1,	Flammability-0,	Reactivity-0	Personal Protection-A
NFPA	Health - 1,	Flammability-0	Reactivity-0	Special-

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