

HMIS RATINGS:
Health : 1
Flammability : 0
Reactivity : 0
Personal Protection: B

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: BRANSON OR
Chemical Family : Oxide Remover
Company Identification: Branson Ultrasonics Corp.
41 eagle Rd.
Danbury, CT 06813

Emergency Telephone Number: (800)535-5053
Date Prepared April 2007
MSDS Number: 3653
MFGD. BY: ABC Compounding Co., Inc.
6970 Jonesboro Rd.
Morrow, Ga. 30260

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

CAS NUMBER	CHEMICAL NAME	% BY WGHT.	OSHA PEL/ ACGIH TLV	SARA 302/ 304(1)*	SARA 313 (2)*	STATE INFO(3)(4)	CERCLA RQ
77-92-9	Citric Acid	< 11.0	n/e / n/e	NO	NO	NO	
1336-21-6	Ammonium Hydroxide	< 2.0	50 ppm / 50 ppm	NO	YES	NO	1000 lbs

* See Section 15 for more information n/e = none established - n/a = not applicable

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION. Causes eye and skin irritation. Avoid breathing vapors.
Clear, pink liquid; odorless.

Primary Route of Entry: Eye contact, skin contact, inhalation
Acute/Potential Health Effects

EYES: May cause irritation to the eyes experienced as discomfort or pain with excess blinking and tear production and redness or swelling of the conjunctiva.

SKIN: May cause mild skin irritation. Prolonged or repeated contact may cause defatting or drying of skin.

INHALATION: Vapor may cause irritation of the respiratory tract.

INGESTION: May cause nausea, vomiting and diarrhea.

Chronic / Long Term Effects: No data.

Ingestion may cause nausea, vomiting and diarrhea.

Ingestion may cause nausea, vomiting and diarrhea.
Prolonged dermal exposure may cause drying of the skin.

No data.

No data.

This material is not listed as a carcinogen by IARC, NTP or OSHA.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

SKIN: Flush skin with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: Give large quantities of water or milk. Induce vomiting. Get medical attention.

Flash Point: No flash by standard methods

Special Fire Fighting Instructions: Wear a self contained breathing apparatus with a full face piece operated in the positive pressure demand mode.

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Eliminate all ignition sources. Prevent runoff from entering drain, sewers, streams or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

Follow all MSDS/label precautions even after container is emptied because they may contain product residues. Use with adequate ventilation. Do not get in eyes or on skin. Store in a cool, dry place. Keep container closed when not in use. Keep out of reach of children.

Eye Protection: Wear safety glasses or goggles. Remove contacts.

Engineering Controls: Use general ventilation.

Solubility in Water	: Complete
Vapor Pressure [mmHg]	:n/e
Evaporation Rate (Butyl Acetate=1)	:n/a
Vapor Density [Air=1]	:n/e
Specific Gravity [H2O=1]	:1.055
Boiling Point	:>212 F

Stability	:Stable
Hazardous Polymerization	:Will not occur
Conditions to avoid	:High temperature
Hazardous Decomposition Products	:C0, C02
Incompatibility	:Strong acids, oxidizers

No data

No data

Waste Disposal Method:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

D.O.T. Shipping Name / Class:
Not regulated.

U.S. Federal Regulations:
TSCA (Toxic Substances Control Act):The intentional ingredients of product are listed.
Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:

MSDS Number : 3653

ACUTE (X) Chronic () Fire () Pressure () Reactive () Not Applicable ()
(1) Title III Section 302/304 Extremely Hazardous Substances - 40 CFR 355 Appendix A
(2) Title III Section 313 Toxic Chemicals - 40 CFR 372.65

If indicated under Section 2 of this MSDS, this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986. This information must be included in all MSDS that are copied and distributed for this material.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes a hazardous waste it would be assigned RCRA Code(s)
None

State and Local Regulations: Certain states maintain their own ingredient lists which differ slightly from the Federal standards. If indicated under Section 2 of this MSDS, states listed below may have regulations on ingredients contained in this product. Check with your state for any additional regulations.

- (3) California proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986)
- (4) Massachusetts (Hazardous Substance Disclosure by Employers)

Section 16: OTHER INFORMATION

This information was compiled from current manufacturer's MSDS's of the component parts of the product.

Disclaimer: The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.