

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY(As used on Label and List)
CHEM-CREST 35

*Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.*

Section I – Product and Company Identification

Manufacturer's Name
CREST ULTRASONICS CORPORATION

Emergency Telephone Number
(800) 424-9300 (Chemtrec)

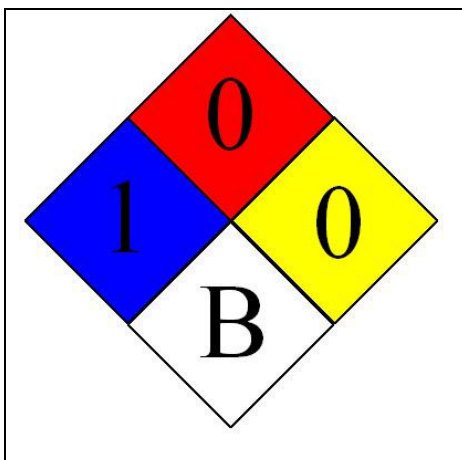
Address (Number, Street, City, State, and ZIP Code)
SCOTCH ROAD, TRENTON MERCER AIRPORT

Telephone Number for Information
(609) 883-4000

TRENTON, NJ 08628

Last update: 17 November 2010

Section II – Hazards Identification



Emergency Overview:

Light yellow liquid, surfactant odor

WARNING! Can cause minor skin irritation, may cause allergic skin reaction

May be harmful if swallowed. Can cause eye damage.

Breathing of mist can cause irritation and damage to throat and respiratory system

Symptoms of expose are irritation of eyes, throat, skin, nasal passages

Recommended Personal Protective Equipment:

PVC-lined gloves, chemical splash goggles, good handling practices

Avoid splashing and spilling. Eye wash should be available in area.

Wash hands before handling food after using any chemical.

Section III – Composition / Information on Ingredients

Hazardous Components (Specific Chemical Identity; Common Name(s))		OSHA PEL	Other Limits Recommended	C.A.S. #
COMPONENTS:		% ACTIVE		
PROPRIETARY NON-/ANIONIC SURFACTANT BLEND	10-15%	NOT AVAILABLE	N/A	-
2-HYDROXY-1,2,3,-PROPANETRICARBOXYLIC ACID	6-12%	NONE SHOWN	N/A	3012-65-5
PROPRIETARY INGREDIENTS, INERT	balance	NONE	NONE	-

Section IV – First Aid Measures

General Advice:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Contact with eyes:

Flush with water for at least 10 minutes, lifting upper and lower lids occasionally. See a physician.

If swallowed:

Drink two glasses of water. See a physician immediately.

If inhaled:

Move person to fresh air. Give oxygen if necessary. If not breathing, give artificial respiration. Consult a physician immediately.

Skin contact:

Wash off with plenty of soap and water.

Section V – Fire-fighting Measures

Suitable extinguishing media:

Water spray, alcohol-resistant foam, dry chemical, carbon dioxide

Protective equipment for fire-fighters:

Use self-contained breathing apparatus (SCBA) when necessary

Section VI – Accidental Release Measures

In case of a leak or spill:

Use absorbent to pick up major spills. Wash down with large quantities of water. Care should be taken when walking in areas of spills as area can be slippery. Wash down spill area with large quantities of water. Water solution is believed to be biodegradable and can be flushed down sewer in accordance with applicable regulations and advice of local, state, and provincial authorities.

Section VII – Handling and Storage

Handling of material:

Avoid contact with eyes, skin, clothing, and other exposed areas of the body. Avoid inhalation of vapor or mist. Use standard measures for fire-fighting purposes. Eye wash should be available in area where product is used. Ensure use of proper personal protective equipment when handling any chemical.

Storage of material:

Keep material in container, tightly closed, in a dry environment. Do not allow to freeze. Follow all appropriate grounding and bonding procedures during use of any chemical. Follow all appropriate lockout / tagout procedures in all areas. Do not allow access of unauthorized personnel to chemical storage areas. Observe all local, state, and federal regulations. Material may be repackaged in steel, poly, or aluminum containers.

Section VIII – Exposure controls / Personal Protective Equipment

Engineering Controls:

In areas where deemed necessary, investigate all engineering controls and techniques in order to reduce risk of exposure to any chemical. Provide necessary ventilation. If necessary, use local exhaust ventilation at sources of air contamination. Consult ACGIH ventilation manual or NFPA Standard 91 for exhaust system designs.

Face and Eye Protection:

The use of chemical splash / safety goggles is highly recommended, along with accessibility to eye wash stations. If necessary, provide workers with chemical full-face shields. Any long hair should be firmly held behind or on top of the head to avoid exposure.

Skin Protection:

The use of chemically-resistant clothing and PVC-lined, latex, or Nitrile gloves is highly recommended for use with this product. Consult with glove manufacturers for a list of gloves acceptable for use with any chemical. If necessary, wear full-face shield and rubber aprons with use of chemicals. Wash all clothing that has been exposed to chemicals before reuse.

Respiratory Protection:

Avoid inhalation of vapor from product. When exposure limits in a given area exceed set values, use NIOSH approved respiratory protection. Consult with respiratory protection equipment manufacturer for types of equipment suitable for each chemical. Respiratory protection must comply with 29 CFR 1910.134. When emergency conditions are presented, evacuate areas affected and use appropriate safety measures for respiratory protection such as, but not limited to, self-contained breathing apparatus, air-line respirator, full-face respirator, or other approved methods for each given chemical.

Section IX – Physical and Chemical Properties

Appearance / Odor	light yellow, surfactant odor
pH (100%)	3.5 ± 0.5
Specific Gravity	1.06 ± 0.05
Vapor Pressure	N/A
Vapor Density	N/A
Melting Point	N/E
Freezing Point	<32°F/0°C
Boiling Point:	>212°F / 100°C
Solubility in Water	complete
Flash Point	N/A
Expansion Rate (butyl acetate = 1)	N/A

Section X – Stability and Reactivity

Stability	Unstable		
	Stable	X	This chemical is stable under anticipated normal operating conditions

Incompatibility (Materials to Avoid): None known

Hazardous Decomposition or Byproducts: Ammonia may be liberated at extremely high temperatures.

Hazardous Polymerization	May Occur		
	Will Not Occur	X	This chemical will not undergo hazardous polymerization under anticipated normal operating conditions

Section XI – Toxicological Information

Not available at this time.

Section XII – Ecological Information

Not available at this time. This product is believed to be biodegradable, but waste generators should always check with state, local, and provincial authorities before disposal of any chemical.

Section XIII – Waste Disposal

Always dispose of all chemicals via State, Local, and Federal Regulations.

Any processing done with the use of this chemical in which any substances are added to this material may make this waste management information inaccurate. Local laws must always be consulted when considering waste disposal.

Section XIV – Transportation Information

US Department of Transportation (DOT)

NOT REGULATED

ICAO/IATA

NOT REGULATED

IMDG

NOT REGULATED

Section XV – Regulatory Information

SARA Title III, section 313

This material contains ammonia (CAS# 7664-41-7) and is subject to regulation under SARA Title III, section 313.

TSCA Section 8(b)

All of the components of this product are listed on the TSCA Inventory

Section XVI: Other Information

Chem Crest Chemical MSDS are available on via website, <http://www.crest-ultrasonics.com>

MSDS Prepared by: Charles P. Kaczorek, Chemical Sales Manager

Date of preparation: 17 November 2010

Legend:

N/A – Not Applicable

N/E – Not Established

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED, RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT AND APPLICABLE TO THEIR CIRCUMSTANCES. CREST CHEMICALS SHOULD ONLY BE HANDLED BY APPROPRIATE PERSONNEL. CREST ULTRASONICS HOLDS NO WARRANTY, EXPRESS OR IMPLIED, RESULTING FROM THE MISUSE OF CHEMICALS. ALL USERS OF THIS CHEMICAL SHOULD BE PROVIDED WITH A COPY OF THIS MSDS ALONG WITH ADEQUATE TIME TO REVIEW IT PRIOR TO USE OF THE CHEMICAL.
