

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 270

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

Manufacturer's Name CREST ULTRASONICS CORPORATION	Emergency Telephone Number (800) 424-9300 (Chemtrec)
Address (Number, Street, City, State, and ZIP Code) SCOTCH ROAD, MERCER COUNTY AIRPORT TRENTON, NJ 08628	Telephone Number for Information (609) 883-4000
	Date Prepared November 22, 2004
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)) #	OSHA PEL	ACGIH TLV	Other Limits Recommended	C.A.S.
SODIUM HYDROXIDE(CAUSTIC SODA) 73-2	2 mg/m ³	2 mg/m ³	N/A	1310-
SODIUM GLUCONATE 1	NOT ESTABLISHED		N/A	527-07-
TETRA SODIUM ETHYLENE DIAMINE TETRA ACETATE	2 mg/CM		N/A	64-02-8
SODIUM DODECYLBENZENE SULFONATE 30-0	NOT ESTABLISHED		N/A	25155-

HMIS/NFPA

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
CLASS	CORROSIVE

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	pH	13 ± 0.5
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water COMPLETE

Appearance and Odor WHITE POWDER BLEND, DETERGENT ODOR

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	NO FLASH	Flammable Limits	N/A	LEL	N/A	UEL	N/A
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Extinguishing Media NO FIRE HAZARD

Special Fire Fighting Procedures
NONE

Unusual Fire and Explosion Hazards
CAN REACT WITH CHEMICALLY REACTIVE METALS SUCH AS ALUMINUM, ZINC, TIN, LEAD, ETC., TO RELEASE HYDROGEN GAS
WHICH CAN FORM EXPLOSIVE MIXTURES WITH AIR.

Section V - Reactivity Data (CHEM-CREST 270)

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid) AVOID CONTACT WITH REACTIVE METALS SUCH AS ALUMINUM, ORGANIC ACIDS,
AND STRONG MINERAL ACIDS.

Hazardous Decomposition or Byproducts CONTACT WITH ALUMINUM OR SIMILAR METALS WILL FORM HYDROGEN GAS WHICH FORMS
EXPLOSIVES MIXTURES WITH AIR.

Hazardous Polymerization	May Occur		Conditions to Avoid: SEE SECTIONS V AND VI
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry: NONE Inhalation? Skin? Ingestion?

Health Hazards (Acute and Chronic) EYES: CAUSES SEVERE DAMAGE AND EVEN BLINDNESS VERY RAPIDLY. SKIN: CAUSES BURNS, POSSI-

BLY DEEP ULCERATIONS. BREATHING OF DUST CAN CAUSE DAMAGE TO NASAL AND RESPIRATORY PASSAGES. INGESTION:

RESULTS
IN DEATH ON PENETRATION TO VITAL AREAS.

Carcinogenicity: NONE NTP? IARC Monographs? OSHA Regulated? YES

Signs and Symptoms of Exposure BURNING OF EYES, SKIN, NASAL PASSAGES, AND THROAT. EXTREME IRRITATION AND REDNESS OF SKIN

AND EYES.

Medical Conditions

Generally Aggravated by Exposure WILL AGGRAVATE EXISTING EYE, SKIN, RESPIRATORY AND DIGESTIVE SYSTEM CONDITIONS.

Emergency and First Aid Procedures SEE PAGE 3

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled SMALL SPILL: SWEEP UP MATERIAL ON PAPER. LARGE SPILL: COLLECT AND ADD

SLOWLY TO LARGE VOLUME OF WATER.

Waste Disposal Method WATER SOLUTION IS BIODEGRADABLE AND CAN BE FLUSHED DOWN SEWER AFTER NEUTRALIZING TO A pH OF

7, IN ACCORDANCE WITH APPLICABLE REGULATIONS.

Precautions to Be Taken in Handling and Storing WEAR FULL PROTECTIVE GEAR WHEN HANDLING MATERIAL. WATER SOLUTIONS ARE EXTREMELY SLIPPERY AND CARE SHOULD BE TAKEN WHEN WALKING ON FLOOR SPILL.

Other Precautions KEEP CONTAINER CLOSED WHEN NOT IN USE. EYE WASH SHOULD BE IN AREA.

Section VIII - Control Measures

Respiratory Protection (Specify Type) SEE YOUR SAFETY EQUIPMENT DEALER FOR RESPIRATOR FOR SPECIFIC CONDITIONS.

Ventilation	Local Exhaust	YES	Special
	Mechanical (General)	YES	Other

Protective Gloves WEAR RESISTANT GLOVES, NEOPRENE, NITRILE RUBBER, POLYVINYL CHLORIDE, POLYETHYLENE

Eye Protection
CHEMICAL SPLASH GOGGLES AND FACE SHIELD

Other Protective Clothing or Equipment WEAR IMPERVIOUS CLOTHING AND BOOTS. EYE BATH SHOULD BE IN AREA.

Work/Hygienic Practices AVOID SPLASHING AND SPILLING.

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EMERGENCY AND FIRST AID PROCEDURES:

IF ON SKIN: Immediately flush exposed area with water for at least 15 minutes. Get medical attention immediately. Remove contaminated clothing. Launder contaminated clothing before reuse. Discard contaminated shoes.

IF IN EYES: Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention. If immediate medical attention is not available, continue flushing with water. Do not use chemical antidote.

IF SWALLOWED: Do not induce vomiting. Vomiting will cause further damage to the throat. Dilute by giving water. Give milk of magnesia. Keep warm, quiet. Get medical attention immediately.

IF BREATHED: If effected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention.

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, APPLICABLE TO THEIR CIRCUMSTANCES.

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