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# 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 211

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 January 4, 2003
	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 METASILICATE 92-0	2mg/m <sup>3</sup> as NaOH		N/A	6834-
SODIUM ISOPROPYL NAPHTHALENE SULFONATE 82-0	NOT ESTABLISHED		N/A	68909-
SODIUM DODECYL BENZENE SULFONATE 30-0	NOT ESTABLISHED		N/A	25155-
NONYLPHENOXPOLYETHANOXYETHANOL 54-5	NOT ESTABLISHED		N/A	68412-
AMINE SALT DODECYL BENZENE SULFONATE 07-7	NOT ESTABLISHED		N/A	26836-
TRIETHANOLAMINE 71-6	NOT ESTABLISHED		N/A	102-
ETHYLENE DIAMINE TETRA ACETIC ACID	NOT ESTABLISHED		N/A	60-00-4
WATER 18-6	NOT ESTABLISHED		N/A	7732-

HEALTH	2	Flammability	0
Stability	0	ALKALINE	

## Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	1.08
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	COMPLETE		
Appearance and Odor			

## Section IV - Fire and Explosion Hazard Data

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

NONE

Unusual Fire and Explosion Hazards  
NONE

**Section V - Reactivity Data (CHEM-CREST 211)**

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid) NONE

Hazardous Decomposition or Byproducts NONE

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI - Health Hazard Data**

Route(s) of Entry: Inhalation? YES Skin? YES Ingestion? YES

Health Hazards (Acute and Chronic) CAN IRRITATE AND/OR BURN EYES AND SKIN. CAN DAMAGE RESPIRATORY AND DIGESTIVE SYSTEMS.

CAUSE COUGHING AND/OR UPSET STOMACH.

Carcinogenicity: NONE NTP? NO IARC Monographs? NO OSHA Regulated? NO

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

Medical Conditions  
Generally Aggravated by Exposure CAN AGGRAVATE EXISTING EYE, SKIN, RESPIRATORY, AND DIGESTIVE SYSTEM CONDITIONS.

Emergency and First Aid Procedures IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES, LIFTING UPPER AND LOWER LIDS

OCCASIONALLY. SEE PHYSICIAN IMMEDIATELY. ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH RUNNING WATER AND SOAP.

LAUNDRER CLOTHING BEFORE REUSE. IF SWALLOWED: GIVE TWO LARGE GLASSES OF WATER. INDUCE VOMITING. SEE PHYSICIAN.

IF INHALED: REMOVE TO FRESH AIR. GIVE OXYGEN IF NECESSARY (ARTIFICIAL RESPIRATION). SEE PHYSICIAN.

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled SHOVEL UP, DISSOLVE IN WATER, SEWER. SOLUTION SPILL: WASH DOWN DRAIN WITH

QUANTITY OF WATER.

Waste Disposal Method ANY. WATER SOLUTION IS BIODEGRADABLE.

Precautions to Be Taken in Handling and Storing WATER SOLUTIONS ARE GENERALLY SLIPPERY AND CARE SHOULD BE TAKEN WHEN WALKING ON FLOOR SPILL.

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

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**Section VIII - Control Measures**

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Respiratory Protection (Specify Type) NONE NEEDED WHEN USED AS DIRECTED.

Ventilation	Local Exhaust	YES	Special
	Mechanical (General)	YES	Other

Protective Gloves PVC LINED GLOVES

Eye Protection	CHEMICAL SPLASH GOGGLES
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Other Protective Clothing or Equipment IMPERVIOUS CLOTHING WHEN MAKING SOLUTION.

Work/Hygienic Practices AVOID SPLASHING AND SPILLING. EYE BATH AND SHOWER SHOULD BE AVAILABLE IN AREA.

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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.