

MATERIAL SAFETY DATA SHEET

ULTRASONIC CLEANER MSDS

Effective Date: Jan. 10, 2008	Date Printed: Jan. 10, 2008	MSDS	
1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION			
PRODUCT NAME:	ULTRASONIC CLEANER		
CHEMICAL NAME:	Not Available		
PRODUCT USE:	Parts Cleaner		
EMERGENCY(24HRS): 1-800-424-9300			
2. COMPOSITION & INFORMATION ON INGREDIENTS			
<u>COMPONENT</u>	<u>CAS #</u>	<u>EXPOSURE LIMITS</u>	<u>% By Wt.</u>
Sodium Metasilicate	6834-92-0	TLV: Not available LD50 770 mg./kg oral rat	1-5
Potassium Hydroxide	1310-58-3	TLV:2mg./cu. M	1-5
Carboxylic acid	68990-37-4		1-5
Nonionic surfactant	Not available	Not available	1-5
3. HAZARDOUS IDENTIFICATION			
EMERGENCY OVERVIEW			
(See Section 9) Avoid repeated or prolonged inhalation			
NFPA/HMIS RATING: HEALTH: 1	FLAMMABILITY: 0	REACTIVITY: 0	PPE: B
POTENTIAL HEALTH EFFECTS			
EYE:	May cause irritation		
SKIN:	May cause irritation		
INGESTION:	May cause nausea		
INHALATION:	May cause irritation		
CHRONIC EFFECTS:	Not listed as a human carcinogen by OSHA, IARC or NTP		
SIGN AND SYMPTOMS:	Eye or skin irritation		

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4. FIRST AID MEASURES	
EYES:	Flush with large amounts of water for 15 minutes. .
SKIN:	Wash with soap and water. Remove contaminated clothing. If irritation persists seek medical attention.
INGESTION:	Do not induce vomiting, do not administer liquids. Obtain medical assistance.
INHALATION:	Remove to fresh air. If symptoms persist, obtain medical assistance.
NOTE TO PHYSICIANS: Treatment of overexposure should be directed toward the control of symptoms and clinical condition.	
5. FIRE FIGHTING MEASURES	
FLAMMABLE PROPERTIES:	Flash point > Not available, boils @ 212°F
FLAMMABLE LIMITS IN AIR:	LEL: Not established UEL: Not established
EXTINGUISHING MEDIA:	Water spray, foam or carbon dioxide
SPECIAL FIRE FIGHTING PROCEDURES: Not determined since product does not support combustion unless all of the water is evaporated.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: Intense heat will vaporize water and may increase pressure in drum to point of rupture.	
6. ACCIDENTAL RELEASE MEASURES & DISPOSAL CONSIDERATIONS	
Wear protective equipment (Section 8); stop leak at source; dike area; prevent material from entering waterway; prevent contact with strong acids (See Section 7); pump material to reclaim container; use vacuum to recover material or use absorbents on remaining material; and shovel into disposal container.	
Because product uses, mixtures, processes or contamination may render this material hazardous, it is the responsibility of the user/owner of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of this material and empty containers, liners and rinseate according to current local, state and federal regulations.	
7. HANDLING AND STORAGE	
HANDLING:	Do not wear contaminated clothing. Wash prior to eating, drinking, smoking, or use of restroom and when leaving work. Do not dispose of material or empty container to the environment.
STORAGE:	40°F min and 110°F max. temperature.
INCOMPATIBLE MATERIALS:	Strong acids and oxidizers
VENTILATION:	Local exhaust, unless heating to vapor or mist.

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8. EXPOSURE CONTROLS & PERSONAL PROTECTION		
ENGINEERING CONTROLS:	General room ventilation is satisfactory. Facility should be equipped with safety shower and eye wash in area.	
EYE/FACE PROTECTION:	Safety goggles.	
SKIN PROTECTION:	Chemical resistant gloves	
RESPIRATORY PROTECTION:	Not required under normal conditions of use. Recommend NIOSH approved mask during high misting conditions or enclosed areas.	
EXPOSURE GUIDELINES:	(See Section 2)	
9. PHYSICAL AND CHEMICAL PROPERTIES		
APPEARANCE:	transparent, water like	ODOR: Light chemical odor
PHYSICAL STATE:	Liquid	VAPOR PRESSURE: Like water
BOILING POINT:	> 212 ⁰ F	VAPOR DENSITY: Not applicable
SOLUBILITY IN WATER:	Complete	pH: 11.3 +/-0.5 @ 3%
SPECIFIC GRAVITY:	1.08+/- 0.02 @ 68 ⁰ F	pH: concentrate: 12.3 - 12.9
10. STABILITY AND REACTIVITY		
CHEMICAL STABILITY:	Stable under normal ambient and anticipated storage and handling conditions.	
CONDITIONS TO AVOID:	Avoid heating to decomposition and freezing.	
INCOMPATIBILITY:	Strong acids and strong oxidizers.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon.	
HAZARDOUS POLYMERIZATION:	Will not occur.	
11. TOXICOLOGICAL INFORMATION		
This material does not contain any material shown to be a carcinogen by National Toxicology Program (NTP), or OSHA. See Section 3.		
12. TRANSPORTATION INFORMATION		
DOT SHIPPING NAME:	Not regulated	
DOT HAZARD CLASS/DESCRIPTION:	Not applicable	
DOT LABEL:	Not applicable	
DOT PLACARD:	Not applicable	
DOT UN/NA NUMBER:	Not applicable	
SHIPPING CLASS:	Not applicable	
TRANSPORT CANADA PIN;	Not applicable	

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13. REGULATORY INFORMATION (Not meant to be all inclusive - select regulations represented)
U.S. FEDERAL REGULATIONS: TSCA: Appears in TSCA Inventory OSHA: None CERCLA HAZARD CATEGORY: Not applicable RCRA: This product does not contain any material requiring annual reporting under Section 313 of SARA Title III CANADIAN WHMIS: Not controlled. STATE REGULATIONS: No data that material appears in any state regulation.
14. OTHER INFORMATION
MSDS Status: Revised Jan. 10, 2008 (See Section 1) This information herein is given in good faith, but no warranty, express or implied, is made. Consult Whitecourt Oil North America for further information.