

SAFETY DATA SHEET


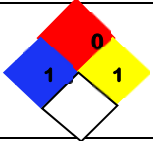
SECTION 1 - Chemical Product and Company Identification

Product Identifier: Crystal Clear Ultrasonic Cleaner	WHMIS Classification: D2B, E
Product Use: Cleaning Compound	
Manufacturer's Name: Tidol Corporation	Suppliers Name: Crystal Electronics Inc
Street Address: 146 Shorting Rd	Street Address: 2-1251 Gorham St.
City: Scarborough Province: ON	City: Newmarket Province: ON
Postal Code: M	Emergency Telephone: 416 910 3087
Postal Code: L3Y 8Y6	Emergency Telephone: 905-953-9129
Date MSDS Prepared: Jan 02 2018	
MSDS Prepared By: Massey Subra	Telephone: 416 293-2244

SECTION 2 - Composition/Information on Ingredients

Hazardous Ingredients	%	CAS Number	LD(50) of Ingredient	LC (50) of Ingredient
Monethanolamine	1-5	141-43-5	NA	NA
Sodium Metasilicate	3-5	6834-92-0	NA	NA

SECTION 3- Hazards Identification

Routes of Entry Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion <input checked="" type="checkbox"/>										
Emergency Overview Danger. Corrosive. May cause irritation of skin and respiratory tract. May be absorbed through skin.										
WHMIS Symbols , 	HMIS, <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><td style="background-color: blue; color: white;">HEALTH</td><td>1</td></tr> <tr><td style="background-color: red; color: white;">FLAMMABILITY</td><td>0</td></tr> <tr><td style="background-color: yellow;">REACTIVITY</td><td>1</td></tr> <tr><td>PERSONAL PROTECTION</td><td>x</td></tr> </table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	1	PERSONAL PROTECTION	x	NFPA Symbols 
HEALTH	1									
FLAMMABILITY	0									
REACTIVITY	1									
PERSONAL PROTECTION	x									
Potential Health Effects <ul style="list-style-type: none"> Eyes: Moderate to severe irritation, and possible tissue damage to eyes depending on exposure. Skin: Prolonged skin contact may cause moderate irritation. Defatting and dermatitis. Ingestion: May cause nausea, vomiting, and diarrhea 										

SECTION 4 - First Aid Measures

Skin Contact:	Remove contaminated clothing and wash with plenty of soap and water.
Eye Contact:	Flush eyes immediately with large amounts of water for 15 minutes lifting the eyelids occasionally. Get medical attention.
Inhalation:	Remove to fresh air. Consult physician if symptoms persist
Ingestion:	Give large quantities of water then several glasses of milk. Do not induce vomiting. Get medical attention immediately.

Section 5 - Firefighting Measures

Flammability		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	If yes, under which conditions?
Means of Extinction Wear a self contained breathing apparatus with a full face piece operated in the positive pressure demand mode. Chemical resistant PPE is recommended.				
Flashpoint (°C) and Method	Upper Flammable Limit (% by volume)	Upper Flammable Limit (% by volume)		
NA	NA	NA		
Auto-ignition Temperature (°C)	Explosion Data - Sensitivity to Impact	Explosion Data - Sensitivity to Static Discharge		
NA	NA	NA		
Hazardous Combustion Products NA				
NFPA Health = 1, Fire = 0, Reactivity = 1, Corrosiveness = 2				

Section 6 - Accidental Release Measures

Leak and Spill Procedures Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). 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.
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Section 7 - Handling and Storage

Handling Procedures and Equipment 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 or clothing.
Storage Requirements Store in a cool, dry place. Keep container closed when not in use. Keep out of reach of children.

Section 8 - Exposure Control/Personal Protection

Exposure Limits	ACGIH TLV <input type="checkbox"/>	OSHA PEL <input type="checkbox"/>	OTHER <input type="checkbox"/>			
Specific Engineering Controls (such as ventilation)	Good general ventilation required					
Personal Protective Equipment	Gloves <input checked="" type="checkbox"/>	Respirator <input type="checkbox"/>	Eye <input checked="" type="checkbox"/>	Footwear <input type="checkbox"/>	Clothing <input type="checkbox"/>	Other <input type="checkbox"/>
If checked, specify type Eye Protection: Wear goggles or safety glasses. Skin Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene) clothing and boots. Respiratory Protection: When required use an organic vapour and particulate cartridge. All respiratory programs must meet OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements.						

Section 9 - Physical and Chemical Properties

Physical State Liquid	Odour and Appearance Clear, odourless	Odour Threshold (ppm) NA
Specific Gravity (H2O=1) 1.1	Vapour Density (air=1) NA	Vapour Pressure (mmHg) NA
Evaporation Rate NA	Boiling Point (°C) >100 per 1% solution	Freezing Point (°C) 0
pH 12.0	Coefficient of Water/Oil Distribution INFINITY	(Solubility in Water) Complete

Section 10 - Stability and Reactivity

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under which conditions?
Incompatibility with Other Substances Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, which ones? Strong Acids, and oxidizers
Reactivity, and Under What Conditions? Polymerization will not occur. Keep away from extreme temperatures	
Hazardous Decomposition Products: CO, CO2	

Section 11 - Toxicological Information

Effects of Acute Exposure NA	
Effects of Chronic Exposure NA	
Irritancy of Product NA	
Skin Sensitization NA	Respiratory Sensitization NA
Carcinogenicity - IARC NA	Carcinogenicity - ACGIH NA
Reproductive Toxicity NA	Teratogenicity NA
Embryotoxicity NA	Mutagenicity NA
Name of Synergistic Products/Effects NA	

Section 12 - Ecological Information

Aquatic Toxicity

Not Established

Section 13 - Disposal Considerations

Waste Disposal Method

Waste must be disposed of in accordance with national, provincial and municipal environmental control regulations.

Section 14 - Transport Information

Special Shipping Information Non Regulated	PIN NA
TDG NA	DOT NA
IMO NA	ICAO NA

Section 15 - Regulatory Information

WHMIS Classification D2B, E	OSHA NA
SERA NA	TSCA <ul style="list-style-type: none">• Title III Section 311/312 Hazardous Categories - 40 CFR 370.2• Title III Section 302/304 Extremely Hazardous Substances- 40 CFR 355• Title III Section 313 Toxic Chemicals - 40 CFR 372.65

Section 16 - Other Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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.