

MATERIAL SAFETY DATA SHEET

Product Name: UCS
Ultrasonic Cleaning Solution

Product Code Number: 60705 60031

1. PRODUCT INFORMATION

Product Use: Ultrasonic Cleaner
Supplier: maxill inc.
80 Elm Street
St. Thomas, Ontario. N5R 6C8 Tel.(519) 631-7370
FAX: (519) 631-3388

WHMIS Classification: D2(B)



2. PREPARATION INFORMATION

Prepared On: 20/06/05
Prepared By: Dr. Nathan Schiff

Supersedes: 17/09/03
Change: B

Emergency Phone Number: (519) 631-7370
CANUTEC: (613) 996-6666

NAV-Not Available

NAP-Not Applicable

DG=Dangerous Goods

The information here is presented in good faith, but no warranty, expressed or implied is given.

3. HAZARDOUS INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS#</u>	<u>%Range</u>	<u>LD50 Oral</u>		<u>LD50 Dermal</u>		<u>LC50 INHALATION</u>	
Isopropyl Alcohol	67-63-0	1-5	mg/kg 4720	Species Rat	mg/kg NAV	Species NAP	mg/m ³ /4H 22640	Species Rat

4. PHYSICAL DATA

Physical State:	Liquid	Specific Gravity:	1.00	Vapor Density:	1 (air=1)
Coeff. Of Water/Oil Distribution:	NAV	Freezing Point:	< 0°C	Vapor Pressure:	22 mm Hg (25°C)
Boiling Point:	> 97°C	Evaporation Rate:	NAV		
Odor:	Faint lemon	pH:	7.5-8.0		
Odor Threshold:	NAV				
Appearance:	Purplish liquid				

5. FIRE AND EXPLOSION DATA

Is This WHMIS Class B?	No	Flash Point:	>93°	Sensitivity to Static Charge:	Stable
Upper Explosion Limit:	NAV	Auto Ignition Temperature:	NAV	Sensitivity to Impact:	Stable
Lower Explosion Limit:	NAV				
Extinguishment Media:			Dry chemical, foam, water, CO ₂ .		
Conditions To Avoid:			Heat, open flame or sparks		
Hazardous Combustion Products:			May emit toxic fumes carbon and nitrogen oxides, if exposed to fire.		

6. TOXICOLOGICAL PROPERTIES

Route of Entry:	Eye contact, Ingestion	
Effects of Acute Exposure:	Eyes: Can produce eye irritation. Prolonged contact with the eyes can result in corneal redness, tearing and possible injury. Skin: Irritant on prolonged or repeated exposure Inhalation: Continuous inhalation for a prolonged period can result in headache, dizziness, nausea, and irritation of the respiratory tract. Ingestion: Ingestion of large quantities can cause headache, dizziness, nausea, incoordination, drowsiness, loss of consciousness.	
LD50 Oral: 167912 mg/kg (Rat)	LD50 Dermal: NAV	LC50 Inhalation: 805407 /4 H, (Rat)
Irritancy of Product:	Eye irritant	
Exposure Limit:	ACGIH TLV-TWA for isopropyl alcohol is 400 ppm	
Carcinogenicity:	No	
Sensitization of Product:	No	
Teratogenicity:	No	Reproductive Toxicity: No
Synergistic Materials:	No	Mutagenicity: No
Effects of Chronic Exposure:	Prolonged and repeated exposure to skin can cause defatting and drying of skin resulting in skin irritation and dermatitis. Exposure to high vapor concentrations may cause eye and respiratory tract irritation, headache, dizziness, nausea incoordination drowsiness and loss of consciousness.	

7. FIRST AID MEASURES

Eye Contact: Rinse immediately with water, remove contact lenses if any, and continue rinsing with water for at least 15 minutes while holding eyelids open. Consult a physician immediately.

Ingestion: Do not induce vomiting. Give large amounts of milk, egg whites, gelatin solution or large amounts of water. Never give anything by mouth if person is unconscious. Call a physician immediately.

Inhalation: Remove to fresh air. If breathing is difficult, consult a physician

Skin Contact: Wash well with soap and water

8. PREVENTIVE MEASURES

Engineering Controls: General ventilation

Handling Procedures: Avoid ingestion and/or contact with eyes.

Storage Requirements: Store in original container in a cool, dry place away from incompatible products.

Leak and Spill Procedure: Collect with absorbent material such as paper, vermiculite or floor absorbent and dispose in accordance with applicable regulations.

Waste Disposal: Dispose in accordance with local/provincial and federal regulations.

PROTECTIVE EQUIPMENT FOR BULK HANDLING

Respiratory: Not required under normal conditions of handling. Use an NIOSH approved respirator if vapor concentration exceeds 400 ppm

Eyes: Safety goggles

Gloves: Impermeable gloves

Footwear: Safety boots

Other: Eye wash fountains are recommended

PROTECTIVE EQUIPMENT FOR END-USERS

Respiratory: Not required under normal conditions of use.

Eyes: Not required

Gloves: Not required

9. REACTIVITY DATA

Conditions of Instability: Stable

Incompatible Materials: Avoid contact with strong oxidizing agents. May react with aluminum at high temperatures.

Conditions of Reactivity: Heat, sparks, open flame, sources of ignition

Hazardous Decomposition Products: May liberate toxic fumes of carbon and nitrogen oxides if exposed to fire.

10. SPECIAL SHIPPING INFORMATION

<u>DG</u>	<u>Proper Shipping Name</u>	<u>TDG Hazard Class</u>	<u>UN Number</u>	<u>Packing Group</u>
No	NAP	NAP	NAP	NAP

maxill
SPECIALTY CHEMICALS
INFECTION CONTROL