

**MATERIAL SAFETY DATA SHEET**

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**PRODUCT: RF ULTRASONIC BATH CLEANER**

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**PRODUCT IDENTIFICATION**

**Product Name:** RF Ultrasonic Bath Cleaner

Trade Name:

UN No: None Allocated

Other Name:

Dangerous Goods Class: None Allocated

Subsidiary Risk: None Allocated

Hazchem Code: None Allocated

Poisons Schedule: None Allocated

Manufacturers Code: Various

**Not Classified Hazardous according to NOHSC criteria**

**Not Classified as a dangerous good by the criteria of the ADG Code**

**Physical Description/Properties**

Colourless liquid with slight ethereal odour

Boiling Point: 32 Deg C

Specific Gravity: 1.235

Vapour Pressure: 80 kPa @ 25 Deg C

Vapour Density: 4.8 (Air = 1)

Solubility (Water): 5.35 g/L

Percent Volatiles: 100%

Flammability: Non Flammable

Fire/Explosion Hazard: Forms explosive mixtures with air (see below)

Flash Point: Not Relevant

Auto Ignition Temp: 532 Deg C

LEL: 5.6%

UEL: 17.7%

**Ingredients**

<b>Chemical Entity</b>	<b>CAS NO.</b>	<b>Proportions %</b>
1-1 dichloro, 1 fluoroethane	[1717-00-6]	High
Aliphatic alcohol	[67-63-0]	Low

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### HEALTH HAZARD INFORMATION

#### Health Effects

Swallowed: Non irritant, if swallowed will immediately vaporise.  
Eye: May be an eye irritant.  
Skin: Will cause defaulting and drying. Repeated or prolonged contact may have a dermatitis effect.  
Inhaled: Vapours are heavier than air; very high concentrations can dilute available oxygen in the air below the level needed to sustain life. This type of chemical has been observed to produce irregular heartbeat in certain individuals. Inhalation of high concentrations may have an anesthetic or narcotic effect.

#### First Aid

Swallowed: Give plenty of water to drink. If vomiting occurs place patient's face downwards, head lower than hips to prevent vomit entering lungs. Seek medical assistance if considered necessary.  
Eye: Irrigate eye with copious quantities of water and seek medical advice if systems persist.  
Skin: Wash off with soap and water.  
Inhaled: Move to fresh air, rest, half upright position, loosen clothing. Give oxygen or artificial respiration if there is any difficulty breathing. Seek medical attention.

Advice to Doctor: Ensure first aid procedures have been carried out. Treat symptomatically.

### PRECAUTIONS FOR USE

#### Exposure Standard

Pending further research a maximum concentration in the workplace of 500 ppm.

#### Engineering Controls

Ensure adequate ventilation to keep airborne concentrations below exposure standard.

#### Personal Protection

Where concentrations in air may exceed the exposure standard and means of exposure reduction are not adequate, approved respirators may be necessary to prevent overexposure by inhalation. Eye: For open systems where contact is likely, wear safety glasses with side shields. Skin: Wear chemical resistant gloves, PVA and nitrile rubber are suitable, and standard work clothes.

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### **Flammability**

Non flammable – explosive vapour. May evolve toxic gases (hydrogen chloride, phosgene, fluorides, hydrogen fluoride, carbon oxides) when heated to decomposition.

## **SAFETY HANDLING INFORMATION**

### **Storage/Transport**

Not considered dangerous goods by the ACTDG.

Store in a cool, well ventilated place and out of direct sunlight and other sources of heat. Keep firmly closed, take care in removing bungs as internal pressure may build up in warm drums.

### **Spills and Disposal**

Spillages of this material will usually evaporate at a rate depending on the ambient temperature. Spillages in enclosed spaces may lead to a local depletion of oxygen levels.

Contain spilled liquid with sand or earth. Recover by pumping (use an explosion proof pump) or with a suitable absorbent and place in suitable containers.

## **FIRE AND EXPLOSION HAZARD**

### **Fire/Explosion**

Not combustible. Mixtures of vapour with air may explode at concentrations of product between 5.6 and 17.7%. Drums or containers heated during a fire may violently rupture. Toxic fumes may be formed during the decomposition, which may occur during a fire

### **Extinguishing Media**

Non Flammable

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