



Health and Safety Data

PRODUCT IDENTIFICATION	PRODUCT NAME: Ultrasonic cleaner for PCBs PRODUCT CODE: UT/FLU01 PRODUCT TYPE: CLEANER AND DEGREASER
	SUPPLIER: Shesto Limited 3 Century Court, Tolpits Lane, Watford Hertfordshire, WD18 9RS Tel: +44 (0)208 451 6188
	DATE ISSUED: 18-08-15

COMPOSITION/ INFORMATION ON INGREDIENTS	INGREDIENTS	CAS NO.	WT%	HEALTH	RISK
	sodium metasilicate	6834-92-0	1-10	Xi	36/38
	non ionic surfactants	66455-14-9	1-10	Xn	
	Ethylene glycol butyl ether	111-76-2	20-59	Xn	20/21/22,37
	Dipropylene glycol methyl ether	34590-94-8	1-10	Xn	20/21/22,37

HAZARDS IDENTIFICATION	HUMAN HEALTH HAZARDS: Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin
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FIRST AID MEASURES	EYES: Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention immediately INGESTION: Wash out mouth with water. Have victim drink 240-300ml of water to dilute stomach contents. Obtain medical attention. Do not induce vomiting. SKIN: Immediately wash skin thoroughly with soap and water. Remove contaminated clothing as washing proceeds. Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical attention if blistering occurs or redness persists. INHALATION: Remove from exposure. Keep warm and at rest. If there is difficulty in breathing, give oxygen. If breathing stops or shows signs of failing, give artificial respiration. Do not use mouth to mouth ventilation. Obtain medical attention urgently.
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FIRE FIGHTING MEASURES	EXTINGUISHER: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Select extinguishing agent appropriate to other materials involved. Keep containers and surroundings cool with water spray. HAZARDS: Hazardous Combustion Products : CARBON OXIDES PROTECTIVE EQUIPMENT: As for personal protection.
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ACCIDENTAL RELEASE MEASURES	SPILLAGE CLEANUP: Wash away to drain with plenty of water. Contain and absorb with sand or earth. PERSONAL PRECAUTIONS: As for 'exposure controls - personal protection'. ENVIRONMENTAL: For large spillages collect for disposal. Inform local authorities for advice.
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HANDLING AND STORAGE	HANDLING: As for 'exposure controls - personal protection'. STORAGE: Store in original containers under dry conditions. Avoid extremes of temperature.
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EXPOSURE CONTROLS/ PERSONAL PROTECTION	EXPOSURE CONTROL: OES-LTEL = not listed, OES - STEL = 2mg.m-3 RESPIRATORY: No special requirements. Good ventilation is normally sufficient. SKIN: Rubber or PVC gloves. EYES: Eye goggles or a face shield.
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PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Clear liquid
ODOUR: characteristic - ethereal
pH: 10-11
BOILING POINT (C): 100
MELTING POINT (C): N/A
EXPLOSIVE PROPERTIES: N/A
AUTO IGNITION TEMP: N/A
FLASH POINT (C): N/A
SPECIFIC GRAVITY : 1.01
VISCOSITY (cP,c): 1 - 10
SOLUBILITY IN WATER: completely soluble

STABILITY AND: REACTIVITY

STABILITY: stable
MATERIALS TO AVOID: combustibile materials, oxidising agents and bases..
CONDITIONS TO AVOID: Keep away from heat sources,
HAZARDOUS DECOMPOSITION PRODUCTS:

TOXICOLOGICAL EYES: INFORMATION

IRITANT: Irritant.
SKIN: Irritant.
INGESTION: Concentrate may cause burning of the throat and possible damage to internal organs.
INHALATION: Harmful by inhalation
OTHER; Health problems are greatly reduced when product is diluted and used as directed.

ECOLOGICAL INFORMATION

MOBILITY: Mobile
DEGRADABILITY: All surfactants are readily degradable.
BIO-ACCUMULATION: No evidence of bio-accumulation or tainting of seafood (4)
AQUATIC TOXICITY: LC50 96 hr 100-1000mg/L (4) (pure sodium metasilicate)

DISPOSAL

MATERIALS: Contain and absorb with sand or earth.
PACKAGING: Can be recycled after thorough rinsing.
OTHER: Incineration is the recommended method of disposal. Dispose of in accordance with all applicable local and national regulations.

TRANSPORT INFORMATION

UN NO:
ADR/RID
HAZCHEM CODE: Non hazardous for transport
IMDG CLASS
IMDG PAGE

REGULATORY INFORMATION

CLASSIFICATION: Irritant.
RISK PHRASES: R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
SAFETY PHRASES: R36/38 Irritating to eyes and skin.
 S2 keep out of reach of children.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28 After contact with skin, wash immediately with plenty of water.
 S36/37/39 Wear suitable protective clothing, gloves and eye face protection.
OTHER INFO:

Solutions should be used with deionised, demineralised or distilled water as Calcium carbonate and other impurities in tap water can effect/reduce the cleaning properties of the solutions and produce undesirable side effects such as deposits

