



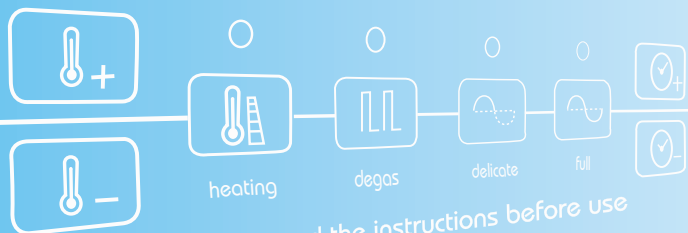
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Suppliers of Ultrasonic Cleaners and Solutions



## Oxidation Removal Cleaning Solution Safety Data Sheet

V2



please read the instructions before use



## Oxidation Removal Cleaning Solution

Part No: US-SO-OXI Solution  
Doc V: 2.0

A specialist acidic formulation for adding to Ultrasonic baths for removing oxidation from metals including iron, copper, tin, aluminum and stainless steel. It is ideal for engine parts including carburetors, valves, heat exchangers etc as well as metals that have been in storage. Other applications include oxides resulting from soldering or welding.

As well as removing oxides it safely removes contaminants including general soiling, carbon and grease etc. The cleaning process will not damage, corrode or darken most metal components. It is totally biodegradable and phosphate free.

- Safe to use on most metals.
- Acidic formulation specifically for removing oxidation.
- Excellent stain remover.
- For professional and amateur use.



### Directions

Concentrate is added to water at a rate of 1 part concentrate to 10 parts of water. Operating temperature of bath should be set between 40 and 80 degrees centigrade.

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

Always test before use on new applications.

After cleaning rinse all surfaces thoroughly with clean water. The bath should be changed regularly when the solution becomes dirty.

### Other Ultrasonic Solutions Available

There are a variety of ultrasonic solutions available, formulated for specific applications. Correct selection is vital to give optimal performance and prevent an adverse reaction.

Solutions include;

- Jewellery.
- Glass and optical lens.
- General Purpose Degrease.
- Oxidation Remover.
- Sensitive Metals.
- Carburettor and engine parts.





## Health and Safety Data

PRODUCT IDENTIFICATION	PRODUCT NAME:	Ultrasonic cleaner for oxide remover
	PRODUCT CODE:	US-SO-OXI-1L, US-SO-OXI-5L US-SO-OXI-25L
	PRODUCT TYPE:	cleaner concentrate for use in ultrasonic baths.
	SUPPLIER:	ALLENDALE ULTRASONICS PINDAR ROAD, HODDESDON, EN11 0BZ. Tel: 01992 455925 Fax: 01992 450781
	WEBSITE:	www.allendale-ultrasonics.co.uk
	DATE ISSUED:	27-01-2020
	EMERGENCY TEL:	+00 448 706 006 266 NHS DIRECT – 0845 4647 or 111 National Poisons Information Service (Birmingham Centre), City Hospital, Dudley Rd, Birmingham. U.K.
	USE OF SUBSTANCE / MIXTURE:	PC35: Washing and cleaning products (including solvent based products).
HAZARDS IDENTIFICATION	CLASSIFICATION UNDER CLP:	This product has no classification under CLP.
	LABEL ELEMENTS:	This product has no label elements.
	OTHER HAZARDS:	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
	PBT:	This product is not identified as a PBT/vPvB substance.
FIRST AID MEASURES	<u>DESCRIPTION OF FIRST AID MEASURES:</u>	
	SKIN CONTACT:	Wash immediately with plenty of soap and water.
	EYE CONTACT:	Bathe the eye with running water for 15 minutes.
	INGESTION:	Wash out mouth with water.
	INHALATION:	Consult a doctor.
	<u>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:</u>	
	SKIN CONTACT:	There may be mild irritation at the site of contact.
	EYE CONTACT:	There may be irritation and redness.
	INGESTION:	There may be irritation of the throat.
	INHALATION:	No symptoms.
	DELAYED / IMMEDIATE EFFECTS:	Immediate effects can be expected after short-term exposure.
	IMMEDIATE / SPECIAL TREATMENT:	Not applicable.



FIRE-FIGHTING MEASURES	EXTINGUISHING MEDIA:	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
	EXPOSURE HAZARDS:	In combustion emits toxic fumes.
	ADVICE FOR FIRE-FIGHTERS:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
ACCIDENTAL RELEASE MEASURES	PERSONAL PRECAUTIONS:	Turn leaking containers leak-side up to prevent the escape of liquid.
	ENVIRONMENTAL PRECAUTIONS:	Do not discharge into drains or rivers. Contain the spillage using bunding.
	CLEAN-UP PROCEDURES:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
	REFERENCE TO OTHER SECTIONS:	Refer to exposure controls/personal protection.
HANDLING AND STORAGE	HANDLING REQUIREMENTS:	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.
	STORAGE CONDITIONS:	Store in a cool, well-ventilated area. Keep container tightly closed.
	SPECIFIC END USE(S):	No data available.
EXPOSURE CONTROLS/ PERSONAL PROTECTION	WORKPLACE EXPOSURE LIMITS:	No data available.
	DNEL / PNEC NO:	Data available.
	GENERAL PROTECTIVE AND HYGIENIC MEASURES:	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases/ fumes / aerosols. Avoid contact with the eyes and skin.
	ENGINEERING MEASURES:	Ensure there is sufficient ventilation of the area.
	RESPIRATORY PROTECTION:	Not applicable.
	HAND PROTECTION:	Protective gloves – Rubber Gloves (EN 374-2 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. The determined penetration times according to EN 374 – part III are not performed under practical conditions. Therefore, a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
	EYE PROTECTION:	Tightly fitting safety goggles. Ensure the goggles have the relevant markings on them showing which aspect of EN166 they conform to. Ensure eye bath is to hand.
	SKIN PROTECTION:	Protective clothing – ensure they are suitable for working with liquid chemicals.



PERSONAL PROTECTION SYMBOL (S):



PHYSICAL AND CHEMICAL PROPERTIES

STATE: Liquid.  
COLOUR: Yellow.  
ODOUR: Characteristic odour.  
EVAPORATION RATE: No data available.  
OXIDISING: No data available.  
SOLUBILITY IN WATER: No data available.  
BOILING POINT / RANGE °C: No data available.  
FLAMMABILITY LIMITS %  
LOWER:  
FLASH POINT °C: No data available.  
AUTOFLAMMABILITY °C: No data available.  
RELATIVE DENSITY: No data available.  
VOC G/L: No data available.  
MELTING POINT / RANGE °C: No data available.  
UPPER: No data available.  
PART.COEFF. N-OCTANOL/  
WATER:  
VAPOUR PRESSURE: No data available.  
PH: 2.10-3.0

STABILITY AND REACTIVITY

REACTIVITY: Stable under recommended transport or storage conditions.  
CHEMICAL STABILITY: Stable under normal conditions.  
HAZARDOUS REACTIONS: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.  
CONDITIONS TO AVOID: Heat.  
MATERIALS TO AVOID: Strong oxidising agents. Strong acids.  
HAZ. DECOMP. PRODUCTS: In combustion emits toxic fumes.

TOXICOLOGICAL INFORMATION

EXCLUDED HAZARDS FOR SUBSTANCE:

HAZARD	ROUTE	BASIS
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated





	SKIN CONTACT:	There may be mild irritation at the site of contact.
	EYE CONTACT:	There may be irritation and redness.
	INGESTION:	There may be irritation of the throat.
	INHALATION:	No symptoms.
	DELAYED / IMMEDIATE EFFECTS:	Immediate effects can be expected after short-term exposure.
ECOLOGICAL INFORMATION	ECOTOXICITY VALUES:	No data available.
	PERSISTENCE AND DEGRADABILITY:	Biodegradable.
	BIOACCUMULATIVE POTENTIAL:	No bioaccumulation potential.
	MOBILITY:	Readily absorbed into soil.
	PBT IDENTIFICATION:	This product is not identified as a PBT/vPvB substance.
	OTHER ADVERSE EFFECTS:	Negligible ecotoxicity.
DISPOSAL CONSIDERATIONS	DISPOSAL OPERATIONS:	Transfer to a suitable container and arrange for collection by specialised disposal company.
	RECOVERY OPERATIONS:	Not applicable.
	DISPOSAL OF PACKAGING:	Arrange for collection by specialised disposal company. NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.
TRANSPORT INFORMATION	UN NUMBER:	Not Regulated.
	UN PROPER SHIPPING NAME:	Not Regulated.
	UN TRANSPORT HAZARD CLASS (ES):	Not Regulated.
	PACKING GROUP:	Not Regulated.
	ENVIRONMENTALLY HAZARDOUS:	No.
	MARINE POLLUTANT:	No.
REGULATORY INFORMATION	SPECIFIC REGULATIONS:	Not applicable.
	CHEMICAL SAFETY ASSESSMENT:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.
OTHER INFORMATION	OTHER INFORMATION:	This safety data sheet is prepared according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.
	LEGAL DISCLAIMER:	The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.



## Contact Details

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The Allendale Group Ltd  
Allendale Ultrasonics Dept.  
Pindar Road  
Hoddesdon  
Hertfordshire  
EN11 0BZ

**+44 (0)1992 455925**  
**[sales@allendale-ultrasonics.co.uk](mailto:sales@allendale-ultrasonics.co.uk)**  
**[www.allendale-ultrasonics.co.uk](http://www.allendale-ultrasonics.co.uk)**