MCU ECO ULTRACLEANER LIQUID

PRODUCT AND TECHNOLOGY DESCRIPTION

MCU-ECO ULTRACLEANER LIQUID is a single component, water based liquid solution to remove corrosion (metal oxides and hydroxides formed on the surface of corroding ferrous metals). It will also remove mill scale, green algae, humus, barnacles and limestone. Can be used on steel, stainless steel, masonry, stone, polyester, etc. and will not harm cables. MCU-ECO ULTRACLEANER LIQUID reduces health and safety risks, as it is environmentally friendly, non-flammable, non-toxic and biodegradable. The product is suitable for dip trays, flushing closed systems and spraying. The product is also available in gel form for airless spray. Brush and roll application only for small areas.

TECHNOLOGY FEATURES

- Designed for removing light to heavy rust.
- Not recommended to use on galvanized, metalized surfaces or zinc ethyl silicate coatings, but can be used to remove zinc salts from zinc rich epoxy coatings.
- Suitable cleaner and surface preparation for stainless steel and aluminium and will etch the surface adequately as required for the application of MCU Coatings products.
- In the cleaning process it will also remove Chlorides or salt contamination from surface.
- Excellent to remove barnacles & mussel shells, algae, and limestone.
- Does not damage any surrounding plastic and/or rubber materials (maximum 24 hours).

AREAS OF USE

- Flushing of closed pipe systems, will remove lime and other blocking aggregates.
- Dipping of coolers, heat exchangers, etc.
- All corroded steel or stainless steel structures, coated surfaces with good adhering coatings but with corrosion spots, areas with algae or barnacles, limestone, etc.
- Industrial steel structures, marine sector, various machinery, automotive, and domestic use. It will also remove rust contamination of existing paint.
- Removes barnacles & mussel shells, algae, and limestone.

SPECIFICATIONS

Color:	yellow
pH:	>2
Density:	1.1 Kg/L +/- 0,1
Flashpoint:	> 100 °C

SURFACE PREPARATION

Prior to application any loose & scaling rust and contamination should be removed to allow best penetration of the product. On heavily rusted pieces power washing is recommended to remove loose scale. It is important to wash and degrease the surface, as oily contaminants will inhibit the activity of the product.

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APPLICATION INFORMATION

MCU-ECO ULTRACLEANER LIQUID is designed for flushing pipe systems and dip trays.
IMPORTANT NOTE: It is recommended that a small test patch should be carried out to learn best activation time.

Mixing: Mixing is normally not required.

Thinning: Can be thinned up to 90% with water.

Time for effect
4 to 24 hours depending of temperature and surface.

Cleaning
Fresh water. Cleaned surfaces should be repainted as quickly as possible to prevent re-oxidation.

MCU-ECO ULTRACLEANER LIQUID contains no rust inhibitors. The use of Chlor-Rid or HoldTight into the last wash water will avoid flash rusting. It is advised that the chosen paint system is applied as quickly as possible.

Recommended primers
MCU-Coatings moisture curing paint technology can be applied on damp surfaces and resist light flash rust.
Steel: MCU-Zinc / MCU-Miozinc / MCU-Aluprime.
Stainless Steel & Aluminium:
MCU-Aluprime / MCU-Miomastic.
Concrete: MCU-Miomastic / MCU-Mastic.

Good Practices
Product containers should be resealed to prevent drying out of the product.
Clean equipment immediately after with fresh water.
Dispose of washing waste in accordance with local environmental legislation.
Neutralizing and dilution with water may be required to meet local waste or sewage disposal requirements. Spills should be contained and disposed of under the same requirements.

STORAGE

MCU-ECO ULTRACLEANER LIQUID should be stored in a cool dry environment between 0 ºC and 25 ºC. Extended storage at temperatures exceeding 30 °C is not advised and may reduce the products efficacy. All containers must be sealed properly when stored.
MCU-ECO ULTRACLEANER LIQUID **must be protected from freezing at all times during storage**.

PACKAGING

Available in: 5 litres, 25 litres, 200 litres and 1000 litres IBC.

HANDLING AND DISPOSAL

All containers are HDPE and can be punctured or split if not handle with appropriate care. Pails and drums must be secured during transportation to prevent damage. Lids, cap and closures must be tightened when products are being transported. MCU-ECO ULTRACLEANER GEL is produced from organic chemicals and is fully biodegradable. Neutralizing and dilution with water might be required to meet local waste or sewage disposal requirements. Spills should be contained and disposed under the same requirements.

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HEALTH AND SAFETY

Avoid direct contact of the product with skin. Wear chemical splash goggles, rubber boots and gloves. Areas in direct contact with product including clothing should be washed thoroughly with water. Product may cause slight eye irritation and harmful if swallowed. Read label and MSDS before use.

WARRANTY

MCU-Coatings warrants its products to be free from defects in materials. MCU-Coatings' sole obligation and Buyer's exclusive remedy in connection with the products shall be limited at MCU-Coatings' option to either replacement of products not conforming with this warranty or to credit the Buyer's account the invoiced amount of the non-conforming products. Any claim under this warranty must be made by Buyer to MCU-Coatings in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf- life, or six months from the delivery date, whichever is earlier. Buyer's failure to notify MCU-Coatings of such non-conformance as required herein shall bar Buyer from recovery under this warranty. MCU-Coatings makes no other warranties concerning the products. No other warranties, whether expressed, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall MCU-Coatings be liable for consequential or incidental damages. Any recommendations or suggestions relating to the use of the products made by MCU-Coatings, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so at its sole discretion and risk. Variation in environment, changes in procedures of use or extrapolation of data may cause unsatisfactory results.

LIMIT OF LIABILITY

MCU-Coatings' liability on any claim of any kind, including claims based upon MCU-Coatings' negligence or strict liability, for any loss or damage arising out of, connected with or resulting from the use of the products, shall in no case exceed the purchase price allowable for the products or part thereof that give rise to the claim. In no event shall MCU-Coatings be liable for consequential or incidental damages. Published Product Data Sheets are subject to change without notice. Contact your MCU-Coatings Representative for current Product Data Sheets.

DISCLAIMER

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