



Surface Treatment

MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE



MCI® Super Remover

PRODUCT DESCRIPTION

MCI Super Remover is a powerful product for removing calcium carbonate and oxides, including hardened concrete residues, encrusted hard water scales, and rust on mild steels.

MCI Super Remover is classified as a mild skin irritant according to OECD Principles of GLP (Good Laboratory Practice). MCI Super Remover is an acid replacement technology that uses low pH organic salt to replace traditional mineral and organic acids.

FEATURES

- Excellent replacement of muriatic acid at removing hardened concrete residues, even aged materials on equipment surface
- Excellent at removing encrusted hard water scales.
- Excellent at removing rust from mild steel
- Non-fuming
- Classified as a mild skin irritant according to the OECD Principles of GLP
- Phosphate free and containing no VOCs
- Low contributor to BOD/COD in effluents
- Non-corrosive to mild steel
- Approved by the US EPA as a non-food inert ingredient in biocide applications
- Biodegradable

TYPICAL USES

- Drum Mixers
- Ready-mix trucks
- Batching Plants
- Construction equipments
- Water treatment facilities during periodical cleanings
- De-scalers/de-limers
- Rust Remover for mild steel
- Excellent replacement for Phosphoric and Nitric Acid

APPLICATIONS

- **For removing hardened concrete residues:** Use MCI Super Remover undiluted. Keep the concrete residues wetted with MCI Super Remover solution for 30 minutes to 3 hours, depending on the thickness and age of the residue. Repeat applications may be necessary for thick patches of concrete; scrape to improve penetration. Do not leave Super Remover on bare metal for extended periods. For tough residues on small tools, the best method is to immerse the object in MCI Super Remover. Scrape to improve penetration. Afterwards, lightly scrape off, or pressure wash the softened residues and rinse thoroughly. Rinsing with a neutralizing cleaner such as VpCI®-416 or VpCI®-414 provides further protection.
- **For removing scale:** Apply MCI Super Remover undiluted to the facilities needing cleaning for 30 minutes to 1 hour. Collect the used MCI Super Remover solution, then rinse thoroughly.
- **For removing rust from mild steel:** Use as is, or dilute MCI Super Remover up to 1:3 in water. Apply to corroded area and keep contact for 5 -15 minutes. Use light abrasion to remove loose rust and to speed up the penetration. Rinse and rub dry. If air drying, rinse with neutralizing cleaner such as VpCI-416 or VpCI-414 to provide further protection.



MIGRATING CORROSION INHIBITORS
FROM GREY TO GREEN

CONSIDERATIONS

MCI Super Remover can be used multiple times. Remove any sediments from the solution and check pH of the solution (pH=<2) before reuse.

- MCI Super Remover does not damage painted surface of moisture-cured aliphatic urethane paints, common uncoated glass surfaces, fiberglass, and rubber. Test is recommended to confirm suitability to your treatment surfaces.
- Spraying of MCI Super Remover may produce discoloration on certain metals (brass and some stainless steel appear to be most affected). Test compatibility in an inconspicuous area before use. Immersion produces best results for most materials.
- Do not immerse aluminum in MCI Super Remover
- Use in a well ventilated area
- Protect eyes, skin, and clothing from spray mist by wearing goggles and protective coverings

TYPICAL PROPERTIES

Appearance	Clear Amber liquid
WPG	9.1 - 9.3 (lbs/gallon)
pH	0.4-0.8 (neat)

PACKAGING AND STORAGE

- MCI Super Remover is available in bulk, 55 gallon polyethylene drums and 5 gallon pails
- Product can be stored in high-density polyethylene, polypropylene, or fiberglass containers.
- DOT classification: **Non-regulated** (U.S. ground shipments) Regulated for and marine transportation

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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