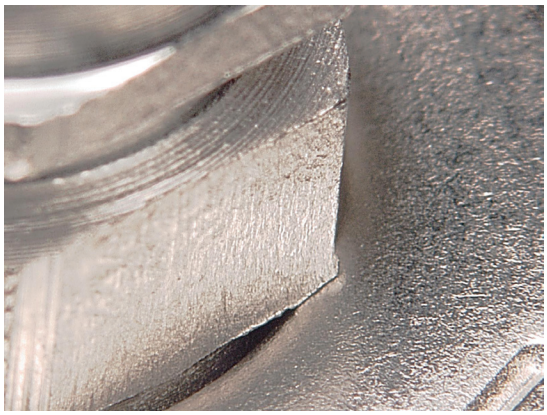
KYZEN
Where Science and Care Converge.

PRODUCT BULLETIN

METALNOX® M6093

Safe Citric Acid Cleaner / Oxide Remover / SS Passivation

METALNOX® M6093 is a citric acid formulation designed to be effective on metal oxides, scale, rust, carbonaceous soils and other industrial soils. It can be used on a variety of metals including steel and aluminum.



- **Effective Descaler of Cleaning Equipment**
- **Removes Metal Oxides**
- **Effective in Spray and Immersion Applications**
- **Safe Passivation for Stainless Steel**
- **Low VOC**

PRODUCT PROPERTIES

pH (10g/L)	2.8
FLASH POINT	None to Boiling
BOILING POINT	>200°F/ >98°C
WATER SOLUBLE	Soluble
VOC, @ 10%	0.0 g/L

TYPICAL PROCESSES

APPLICATION	Spray & Immersion Systems
CONCENTRATION	Cleaning/Descaling - 5-10% Passivation - 25%
TEMPERATURE	Ambient - 180°F / 82°C
RINSE	Optional
DRY	Air

The above process parameters are recommendations based on extensive testing done in KYZEN's Application Lab. Your KYZEN Sales Representative can assist you in optimizing your process parameters.

STORAGE AND HANDLING

- Packaged in Polyethylene Containers
- Store at 5-50°C/41-122°F in Original Container
- Standard Chemical Handling Practices
- Shelf Life of 5 Years, in Sealed Containers of 5 gallons / 25 liters or more

AVAILABILITY

- 1 Gallon
- 5 Gallons
- 55 Gallons
- 5 Liters*
- 25 Liters*
- 208 Liters*

* Liters Available in South Asia and Europe

METALNOX M6093

Mild Citric Acid Cleaner / Oxide Remover / SS Passivation

KYZEN
Where Science and Care Converge.



ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS

METALNOX M6093 is RoHs compliant and Halogen-free in accordance with RoHS Directive (EU) 2015/863 and EN 14582:2016. M6093 has a negligible global warming potential, is not regulated as an Ozone Depleting Chemical in the United States, and is not listed as a Hazardous Air Pollutant. Refer to the Safety Data Sheet for more information.

REACH ✓ KYZEN is an ISO 9001:2015 company.



COMPATIBILITY

METALNOX M6093 is compatible with all materials of construction used in industrial parts cleaning systems and processes. For specific compatibility information, please contact your KYZEN representative.

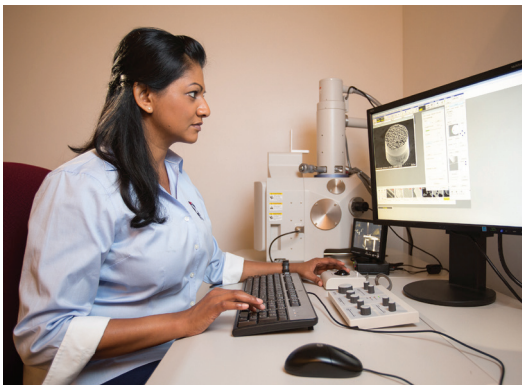


FREE CLEANING TRIALS AND PROCESS OPTIMIZATIONS

KYZEN will conduct complimentary trials at your factory or "risk-free" testing in one of our global Applications Laboratories in North America, Asia or Europe to ensure you achieve your goal. Increase your yields and product reliability by identifying and tuning the critical parameters of your cleaning process. With our commitment to science and understanding process, KYZEN has the flexibility to simulate and refine any cleaning process – including yours!

Each laboratory is fully equipped with an extensive array of cleaning and analytical equipment, including, but not limited to:

- *Batch Washers*
- *In-Line Washers*
- *Ultrasonic Systems*
- *SUI Systems*
- *Vapor Degreasers*
- *GC (TCD and FID)*
- *Scanning Electron Microscope (SEM)*
- *Ion Chromatography*
- *FTIR Spectrophotometer*
- *Humidity Chamber*
- *High Powered Microscopes*





Aqueous, Semi-Aqueous and Vapor Phase Chemistries • Process Evaluation and Optimization
Contract Cleaning • Cleanliness Testing • Soil Analysis

KYZEN.com

Penang, Malaysia
SOUTHEAST ASIAN HEADQUARTERS
+60 4 630 3000

Aalter, Belgium
EUROPEAN HEADQUARTERS
+32 50 395 374

Nashville, TN
GLOBAL HEADQUARTERS
(615) 831-0888

Manchester, NH
NORTH AMERICAN OPERATIONS FACILITY
(603) 622-2900

Shanghai, China
SOUTH CHINA OPERATIONS FACILITY
+86 21 5998 7189

The data contained herein is based on information currently available to KYZEN and is believed to be factual and the opinions expressed to be that of qualified experts, however, the data is not to be taken as a warranty or representative for which KYZEN assumes legal or financial responsibility. KYZEN® and METALNOX® are registered trade name of KYZEN Corporation in the United States and other countries. 032224

COPYRIGHT © KYZEN CORPORATION 2024. ALL RIGHTS RESERVED.