

# 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

<b>pH (10g/L)</b>	0.5 - 4.0
<b>FLASH POINT</b>	None to Boiling
<b>BOILING POINT</b>	>200°F/ 98°C
<b>WATER SOLUBLE</b>	Soluble
<b>VOC, @ 10%</b>	<0.10 g/L

## TYPICAL PROCESSES

<b>APPLICATION</b>	Spray & Immersion Systems
<b>CONCENTRATION</b>	Cleaning/Descaling - 5-10% Passivation - 25%
<b>TEMPERATURE</b>	Ambient - 180°F / 82°C
<b>RINSE</b>	Optional
<b>DRY</b>	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 5-30°C/41-86°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 Liters*   |
| • 5 Gallons  | • 25 Liters*  |
| • 55 Gallons | • 200 Liters* |

\* Liters Available in South Asia and Europe

# METALNOX® M6093

Mild Citric Acid Cleaner / Oxide Remover / SS Passivation



## ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS

METALNOX® M6093 is a non-flammable, non-hazardous, biodegradable aqueous solution. It contains no CFC's or HAP's. Refer to the Safety Data Sheet for more information.



KYZEN is an ISO 9001:2008 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.

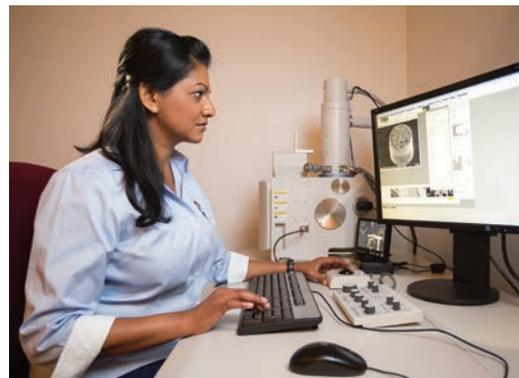


## FREE CLEANING TRIALS AND PROCESS OPTIMIZATIONS

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***

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