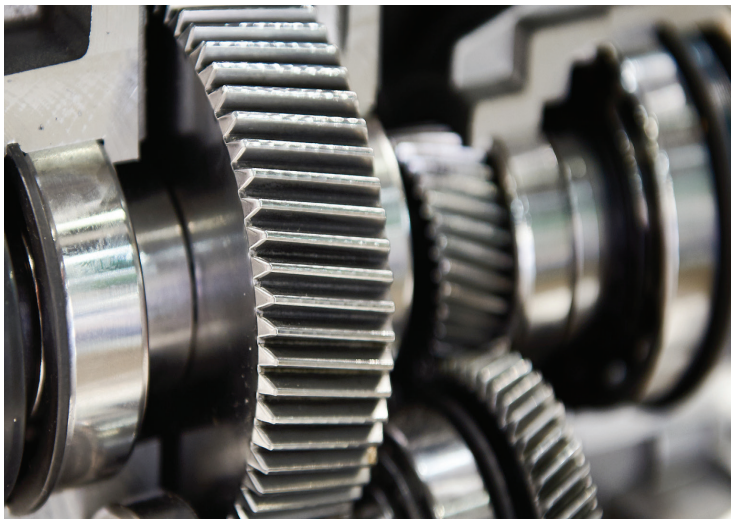
KYZEN
Where Science and Care Converge.

PRODUCT BULLETIN

METALNOX® M6314CP

Aluminum-Safe, Alkaline Parts Cleaner with Steel Rust Protection

METALNOX M6314CP is a heavy-duty, alkaline cleaner/inhibitor formulated to remove a variety of manufacturing oils used in a wide range of machining, stamping, and deep draw operations. M6314CP is built with effective steel corrosion inhibitors to provide long-term protection for both mild steel and cast steel. M6314CP can also be added to both the wash and rinse stages of multi-stage cleaning systems. M6314CP meets the demanding cleaning process where aluminum and steel are processed through the same wash tool.



- **Effective Steel Corrosion Protection for 90-Days, or more, of Indoor Protection**
- **Oil Splitting Formula to Allow Efficient Oil Removal**
- **Free Rinsing – Effective Alkaline Cleaner in Paint/Coating lines**
- **Low VOC / Low Foaming**

PRODUCT PROPERTIES

pH (10g/L)	10.7
FLASH POINT	None to Boiling
BOILING POINT	204°F/ 96°C
WATER SOLUBLE	Complete
VOC, @ 10%	1.2 g/L

TYPICAL PROCESSES

APPLICATION	Spray & Immersion Systems
CONCENTRATION	3-7% - Spray 7-12% - Immersion
TEMPERATURE	115-175°F / 45-80°C
RINSE	Optional- per part specs/ cleanliness
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 M6314CP

Aluminum-Safe, Alkaline Parts Cleaner with Steel Rust Protection

KYZEN
Where Science and Care Converge.



ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS

METALNOX M6314CP is RoHs compliant and Halogen-free in accordance with RoHS Directive (EU) 2015/863 and EN 14582:2016. M6314CP 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 M6314CP is compatible with all materials of construction used in industrial parts cleaning systems and processes. For specific compatibility information, please contact your KYZEN representative.

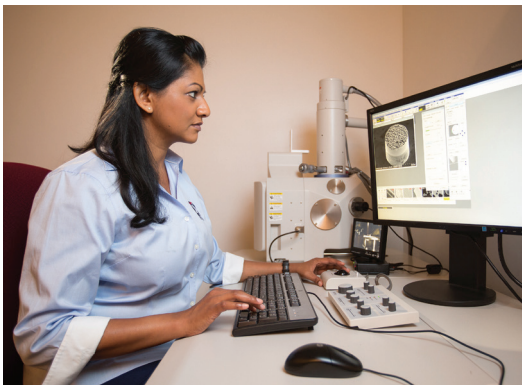


FREE CLEANING TRIALS AND PROCESS OPTIMIZATIONS

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 information contained herein is based on available data from reliable sources and is accurate to the best of KYZEN Corporation's knowledge at the time of this publication. The user is solely responsible for determining the suitability and completeness of such information for their particular application and for adopting appropriate safety precautions. This data is not to be taken as a warranty or representation for which KYZEN assumes legal or financial responsibility. 032224

COPYRIGHT © KYZEN CORPORATION 2024. ALL RIGHTS RESERVED.