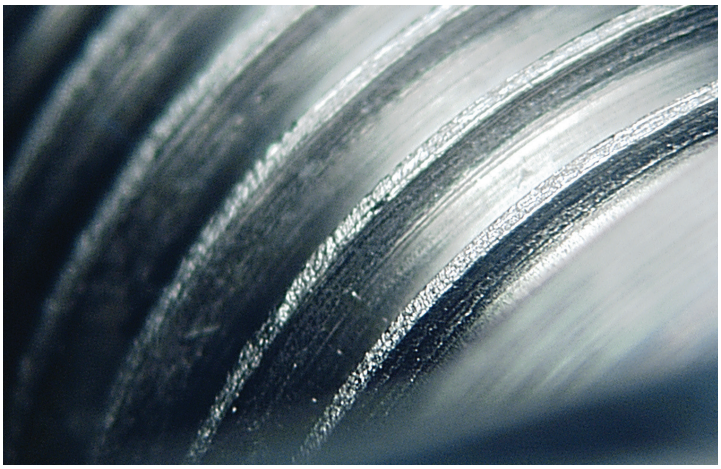
KYZEN
Where Science and Care Converge.

PRODUCT BULLETIN

METALNOX® M6319

Aqueous Alkaline Industrial Parts Cleaner

METALNOX M6319 is a liquid, mild alkaline cleaning concentrate for removing a wide range of machining oils, coolants and general cutting, drawing compounds, forming fluids and hydrocarbon lubricants from steel, stainless steel and copper (alloys and plating). In addition, M6319 is safe to use on hastelloy, inconel, magnesium, magnesium alloys, monel, Ni-Cad plating, nickel alloys and titanium alloys.



- **Used in Spray and Immersion Cleaning Machines**
- **Rinses Completely for a Spot Free Finish**
- **De-Emulsifies to Allow Oil to Separate from the Wash**
- **Low VOC**

PRODUCT PROPERTIES	
pH (10g/L)	11.5
FLASH POINT	None to Boiling
BOILING POINT	212°F/100°C
WATER SOLUBLE	Complete
VOC	0.0

TYPICAL PROCESSES	
APPLICATION	Spray & Immersion Systems
CONCENTRATION	Spray: 3-10% Immersion: 7-12%
TEMPERATURE	120-160°F / 48-70°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 M6319

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ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS

METALNOX M6319 is RoHs compliant and Halogen-free in accordance with RoHS Directive (EU) 2015/863 and EN 14582:2016. M6319 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.



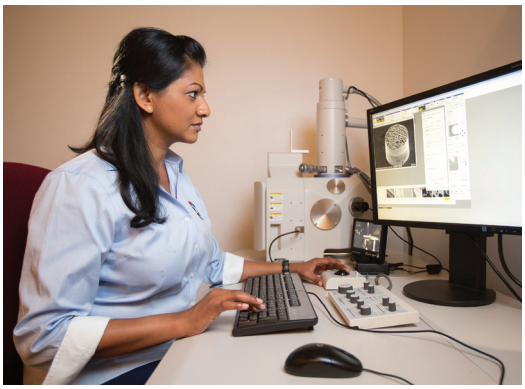
COMPATIBILITY

METALNOX M6319 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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