

Oakite[®] NE-38

Liquid alkaline multi-metal cleaner for the removal of a variety of soils from steel, aluminum, stainless steel, galvanized steel and magnesium.

PRIMARY APPLICATION

Oakite NE-38 is a low foaming heavy duty detergent specially formulated to effectively remove tenacious soils such as fabricating soils, grease, shop oils, drawing and buffing compounds while maintaining metal safety.

Oakite NE-38's blend of surfactants, alkaline salts and other cleaning agents features long solution life, performs well in hard water areas and rinses freely for complete cleaning.

CHEMICAL CHARACTERISTICS

chemical composition blend of alkaline salts including caustic, silicates and surfactants
 physical form yellow liquid
 odor mild
 specific gravity (approx.)..... 1.267 g/ml @ 68°F
 bulk density..... 10.6 lb/g @ 68°F
 behavior in hard water good
 foaming tendency low
 pH - concentrated 13 +
 - as used 12. 2 @ 3% by volume
 rinsability good
 maximum solubility complete
 effect of working solutions on metals..... rate of metal loss from 24 hour immersion in Oakite NE-38, 5% by volume of water, 70°C (160°F), projected for one year, is as follows:

metal (alloy)	mm/yr	in/yr
steel (1010)	0.00	0.000
stainless steel (316)	0.00	0.000
aluminum (2024)	0.01	0.000
aluminum (3003)	0.01	0.000
	(slight dulling)	
brass	0.13	0.005
copper	0.13	0.005
galvanized steel	0.30	0.012
	(darkens)	

APPLICATION PROCEDURE

To assure best results, thoroughly clean the spray washer before charging with Oakite NE-38. In addition, turn on equipment for at least one minute before processing work.

Spray application on most metals:

Recommended concentration2-5% by volume

Recommended temperature100° - 150°F

Solution Control: Concentrations are titrated using Gardotest Procedure 94.

Sample Size: 25 mls

Factor: 0.12

EQUIPMENT

The Chemetall Oakite Electrodeless Conductivity/Concentration Control System and Chemical Metering Pump can be used to monitor and automatically maintain the concentration of this product using conductivity. Please contact the Chemetall Oakite Process Equipment and Engineering Department for specific recommendations.

NOTES ON USE (See Material Safety Data Sheet)

Safety and Handling Precautions: Oakite NE-38 is a highly alkaline material. Direct contact may cause burns of eyes and skin. It is harmful if swallowed. Avoid contact with eyes, skin and clothing. Wear protective gloves, safety goggles and suitable protective clothing when handling. Wash thoroughly after handling. Do not take internally.

First Aid in Case of Contact: Immediately flush eyes or skin with plenty of water for at least 15 minutes; get medical attention. For **skin**, remove contaminated clothing and shoes. Wash clothing and shoes before reuse. If **swallowed**, wash out mouth thoroughly with water. Give several glasses of water or milk to drink. Do not induce vomiting. Contact a physician immediately.

KEEP OUT OF REACH OF CHILDREN

DISPOSAL

Dispose of in accordance with all federal, state and local regulations.

SHIPMENT

May be shipped by any common carrier. Freight classification is "Cleaning Compound, NOIBN, Liquid (sodium hydroxide, mixture) NA 1760". Product Code No: 4605.

STORAGE

Suitable for general indoor storage at moderate temperatures. Keep container closed when not in use. Keep from freezing.

effect of high temperature storage above 120°F, product will separate
effect of low temperature storage freezes at -2°C (29°F); restores when thawed
and agitated

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Oakite**



ISO 9001:2000
FM 93653

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Printed in the USA