

OAKITE 101

Low-sudsing liquid detergent for floor scrubbing machines and general cleaning.

PRIMARY APPLICATION

Oakite 101 is a low-foaming, liquid detergent designed primarily for use in floor scrubbing machines. Specially formulated with wetting agents, it readily removes dirt, grease, soot and scuff marks from floors without excessive sudsing. Oakite 101 dissolves completely, performs well in hard water and rinses freely -- leaving no residue. It's also used for general purpose cleaning.

Oakite 101 is authorized by the USDA for use in federally inspected meat and poultry plants and is approved by the CDA (in Canada).

CHEMICAL CHARACTERISTICS

chemical composition	blend of silicates with wetting agents and solvent
physical form	as received: off-white liquid as used: off-white solution
odor	solvent
specific gravity.....	1.028
bulk density	1028 g/ℓ (8.6 lb/gal)
viscosity.....	water-thin
flash point.....	none
hygroscopic tendency	not applicable
foaming tendency	low
recommended diluent.....	water
maximum solubility	complete
behavior in hard water.....	precipitates
rinsability	good
biodegradable surfactants.....	yes
phosphate-free	yes
normal working concentrations	1/2 to 10% by volume
normal working temperatures.....	4° to 60°C(40° to 140°F)
pH at working concentrations.....	11.7 at 4% by volume

effect of working solutions on metals rate of metal loss from 24-hour immersion in Oakite 101, 4% by volume, 49°C (120°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
stainless steel (403)	0.01	0.000
stainless steel (304)	0.01	0.000
aluminum (3003)	0.27	0.011
brass	0.01	0.000
copper	0.00	0.000
galvanized steel	0.03	0.001
bronze	0.00	0.000
magnesium	0.01	0.000
zinc	0.03	0.001

APPLICATION PROCEDURE

Oakite 101 is used between 1/2 and 10% by volume of water, 4° to 60°C (40° to 140°F). Exact concentrations and temperatures depend upon soils to be removed and extent of soil build-up.

Solution Control: Concentrations are titrated using Gardotest Procedure 125

Sample Size: 5 mls

Factor: 4.9

NOTES ON USE

(See Material Safety Data Sheet)

Safety and Handling Precautions: Oakite 101 is a moderately alkaline material containing 2-butoxy ethanol (CAS No. 111-76-20) and potassium hydroxide (CAS No. 1310-58-3). Direct contact may cause burns of eyes and causes skin irritation. It is harmful if swallowed. Avoid contact with eyes, skin and clothing. Wash thoroughly after using. Do not take internally.

First Aid in Case of Contact: Flush eyes or skin with plenty of water for at least 15 minutes. For eyes, get medical attention. If swallowed, drink plenty of water. Contact a physician.

KEEP OUT OF REACH OF CHILDREN.

DISPOSAL

Dispose of according to all federal, state and local regulations.

PACKAGING

Packaged in nonreturnable steel drums of 208 liters (55 U. S. gallons).

SHIPMENT

May be shipped by any common carrier. Freight classification is "Cleaning Compound, NOI, Liquid." Product Code: 1010.

STORAGE

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

effect of high temperature storage none
effect of low temperature storage freezes at -3.9°C (25°F); returns to normal upon
thawing and agitation or rolling of drum.
effect of aging none

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