

Oakite Rustripper®

Highly alkaline, chelated compound for derusting, stripping and cleaning.

PRIMARY APPLICATION

A time-and money-saver, Oakite Rustripper is specially formulated for simultaneous alkaline derusting and descaling of ferrous metals where dimensional change or hydrogen embrittlement must be avoided. It's also used for paint stripper, degreasing and heavy-duty cleaning (separately or simultaneously) in metal, food, petroleum, railroad and other industries. Versatile Rustripper is recommended for removing light to medium heat scale from titanium. It finds application for cleaning molds in rubber manufacturing plants, too.

Oakite Rustripper meets the cleaning requirements of federal specification TT-C-490C, Method V. It will not attack sound metal of precision ferrous parts. Oakite Rustripper is authorized by the USDA for use in federally inspected meat and poultry plants; contains ingredients acceptable to the FDA; is approved by the CDA and CDF (in Canada).

CHEMICAL CHARACTERISTICS

chemical composition	blend of free caustic, alkaline salt, surfactants, organic chelating agents
physical form	off-white powder
odor	none
fuming tendency	none
bulk density	1176 g/l (9.8 lb/gal)
flash point	none
hygroscopic tendency	severe (keep container tightly closed when not in use)
foaming tendency	slight in still tank; moderate when circulated; severe when sprayed (use Oakite Rustripper M for spray applicant)
recommended diluent	water
maximum solubility	240 g/l at 21 °C(2 lb/gal at 70 °F) 300 g/l at 66 °C (2.5 lb/gal at 160 °F)
behavior in hard water	chelates
rinsability	good with hot or cold water, even when dried on biodegradable surfactants
biodegradable surfactants	no
phosphate free	yes
normal working concentrations	30 to 480 g/l (4 oz to 4 lb/gal)
normal operating temperatures	71 °C (160 °F) to boiling
pH at working concentrations	13 + at working concentrations 21 °C (70 °F)
effect of prolonged boiling	none

EQUIPMENT

Chemical Dispensing: The Chemetall Oakite Slurry Feed System can be used to premix powdered products with water allowing them to become slurries. The slurries can then be fed into the process automatically with a process controller and/or the proper chemical feed pump. The system includes a slurry tank, tank stand, mixer and chemical feed pump. Please contact the Chemetall Oakite Process Equipment and Engineering Department for specific recommendations.

NOTES ON USE (See Material Safety Data Sheet)

Steel tanks and heating coils are acceptable.

Preparing Solutions: Slowly sprinkle the powdered Oakite Rustripper over the surface of solution while stirring. Agitate to dissolve. Add water to volume desired and heat to operating temperatures. To add upkeep, solution should be permitted to cool, such as overnight. If necessary to add upkeep before a solution has cooled, small quantities may be mixed in a pail of cold water and added carefully to the tank. **Never add straight powdered upkeep to a solution warmer than 43° to 49°C (110° to 120°F).**

Safety and Handling Precautions: Oakite Rustripper is a highly alkaline industrial product containing sodium hydroxide. Causes burns of eyes and skin. Harmful if swallowed or inhaled. Avoid contact with eyes, skin and clothing. Wear rubber gloves, safety goggles or face shield and suitable protective clothing when handling dry powder or solutions. Wash thoroughly after handling. Avoid breathing dust and mist. Use with adequate ventilation. Do not take internally.

First Aid in Case of Contact: Immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. **For eyes,** get medical attention. Wash clothing and shoes before reuse. **If swallowed,** wash out mouth thoroughly with water. Give several glasses of water or milk to drink. Contact a physician.

KEEP OUT OF REACH OF CHILDREN

DISPOSAL

Dispose of according to federal, state and local regulations.

SHIPMENT

May be shipped by any common carrier. Freight classification is "Corrosive Solids, NOS, (sodium hydroxide) 8. U N- 1759. Product Code No: 5020.

STORAGE

Except for a slight tendency to cake when subjected to prolonged high temperature, Oakite Rustripper is suitable for general storage in a cool, dry area. Keep container tightly closed when not in use.

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