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TECHNICAL DATA SHEET

CM-493 GELLED LASER SCALE REMOVER

PRODUCT DESCRIPTION

CM-493 is a special acid gel formulated for the removal of laser cut edge oxide. It is an acid based viscous liquid that removes heat scale on steel usually in 2 to 7 minutes depending on metal thickness. CM-493 is intended to be used in brush-on or spray application followed by spray water or cleaner rinse.

CM-493 is a clear viscous flowable liquid that washes away with spray rinse. When the laser cut edge oxide is conditioned, its soft carbon residues should be dispersed or easily displaced with water spray.

APPLICATION

CM-493 is used as supplied on the laser cut edge oxide layer. When the contact time is sufficient, the acidic residues can be rinsed with an alkaline spray cleaner such as CM-828.

CM-493 can be used as supplied on the laser cut edge on steel and spray rinsed after 4 to 7 minutes contact time followed by a neutralizing rust inhibitor like CM-1000-R.

CM-493 is effective with removal of smoke stains and carbon deposits after welding on sheets and parts. In all instances, it requires at least 1 to 2 minutes contact time followed by spray rinse and most likely a rust inhibitor such as CM-1074-H.

REMOVAL RATE - Ambient Temperature and Spray Water Rinse

1/8" thick steel.....2-4 minutes to bare steel
1/4" thick steel.....4-6 minutes to bare metal
1/2" thick plate steel.....6-8 minutes to bare metal
3/4" thick plate steel.....8-10 minutes to bare metal

PHYSICAL AND CHEMICAL PROPERTIES

Form Flowable clear viscous liquid
Color Light Amber
pH of 1% in water <2
Spec. Gr. 1.050
Weight per Gallon 8.76 lbs.
Base Water based

SAFETY AND HANDLING

Refer to material safety data sheet for additional information about this product.