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TECHNICAL DATA SHEET

CM-493-B

MINERAL ACID REPLACEMENT - LASER SCALE REMOVER GEL

PRODUCT DESCRIPTION

CM-493-B is a special acid gel formulated for the removal of laser cut edge oxide. **CM-493-B** is a viscous liquid that dissolves laser scale from cut edges on steel usually in 2 to 7 minutes. It is an acidic gel formulated from a low pH organic salt that has been used to replace mineral acids. It is non-fuming, phosphate-free, and classified as a mild skin irritant. **CM-493-B** is intended to be used in brush-on or spray application followed by spray water or alkaline cleaner rinse. When the laser cut edge oxide is conditioned, its soft carbon residues should be dissolved or easily displaced with water spray.

APPLICATION

CM-493-B 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-B 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-B 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-1000-R.

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 gel
ColorLight Yellow
pH of 1%<2
Spec. Gr. 1.050
Weight per Gallon8.76 lbs.
Base Water based

SAFETY AND HANDLING

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