



METEX® E-345

Smut Electrocleaner for Steel

Product Code: 110245

DESCRIPTION

Metex E-345 is a dry, dustless powder formulated for smut and oxide removal from ferrous metals. It contains a unique combination of chelating and surface active agents which give the maximum in detergency and smut removal from steel.

Metex E-345 is tolerant to hard water conditions and exhibits no loss of detergency when under adverse water conditions.

Metex E-345 is ideally suited for electrocleaning of high finish steels to produce clarity of subsequent electrodeposit. When roughness or clouds are caused by smut, this electrocleaner will help eliminate this source of trouble.

Metex E-345 may be used with periodic reversal for difficult smut removal jobs.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

OPERATING CONDITIONS

Concentration	8 to 16 oz/gal (60 - 120 g/L)
Time	1 to 5 minutes
Temperature	180-200°F (82-93°C)

SUGGESTED CYCLE

- A.
 1. Soak clean, Metex T-103, (Data Sheet No. 0113).
 2. Rinse.
 3. Metex E-345, 8 - 12 oz/gal, (60 - 90 g/L) anodic, 180° - 200 °F (82° - 93°C).
 4. Rinse.
 5. Metex Acid Salt M-629, 1 lb/gal (120 g/L) room temperature, (Data Sheet No. 3001).
 6. Rinse.
 7. Electroplate.



- B.
1. Soak clean, Metex T-103.
 2. Rinse.
 3. Metex E-345, 12 - 16 oz/gal, (90 - 120 g/L) 180° - 200°F (82° - 93°C) periodic reverse current.
 4. Rinse.
 5. Metex Acid Salt M-629, 1 to 2 lb/gal (120 - 240 g/L).
 6. Rinse.
 7. Electroplate.

* For extremely smutty work, cathodic current can be applied on Metex M-629.

CONTROL

Direct Titration

Use 10 mL sample and 0.5N acid with phenolphthalein as indicator.

mLs 0.5N acid x .378 = oz/gal E-345
(mLs 0.5N acid x 2.831 = g/L E-345)

drops x 0.57 = oz/gal E-345
(# drops x 4.3 = g/L E-345)

EQUIPMENT

Tank and Heater

Steel

Oil Trap and Dam Overflow

Advisable

Ventilation

Recommended

Voltage, D. C.

6 to 9

P.R. Unit

If necessary



SAFETY & WARNING

MacDermid Enthone recommends that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use.

Safety Data Sheets are available from MacDermid Enthone.

WASTE TREATMENT

Prior to using any recommendations or suggestions by MacDermid Enthone for waste treatment, the user is required to know the appropriate local/state/federal regulations for on-site or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

ORDER INFORMATION

Product	Code
METEX E-345	110245

CONTACT INFORMATION

To confirm this is the most recent issue, please contact MacDermid Enthone
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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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