

E-KleenTM SR

Smut Remover (SR) and Cleaner Additive

Eliminate Cleaning Rejects!

Finish it the First Time

Achieve Brighter Finishes

**Increase Plating Process
Adhesion**

Improve Part Quality

Cleans the Following:

- Carbon smut on carbon steel
- Difficult to clean metal working fluids
- Baked on oily, greasy and heavily stained aluminum surfaces
- Water soluble oils, waxes, petroleum and animal fat buffing compounds
- Stamping and cutting oils, drawing compounds, metal fillings, and chips

EPI Electrochemical
Products Inc.

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E-Kleen™ SR **Smut Remover (SR) and Cleaner Additive**

Eliminate Cleaning Rejects!
E-Kleen SR helps you finish it the first time.

E-Kleen SR 102

Liquid heavy duty, high caustic, non-silicated soak cleaner for steel.

Cleaning Methods	Soak/Immersion
Metals	Steel and Copper
Concentration	5-12% by volume
Temperature	130-195°F
Causticity	High
Silicated	No
Phosphated	No
Oil Cleaning Action	Splitting
Chelators	No

E-Kleen SR 102-E

Liquid heavy duty, high caustic, non-silicated soak metal cleaner for steel.

Cleaning Methods	Soak/Immersion
Metals	Steel and Copper
Concentration	5-12% by volume
Temperature	130-195°F
Causticity	High
Silicated	No
Phosphated	No
Oil Cleaning Action	Emulsifying
Chelators	No

E-Kleen SR 148-E

A liquid emulsifiable alkaline soak cleaner for steel and all metals.

Cleaning Methods	Soak/Immersion
Metals	All
Concentration	5-12% by volume
Temperature	100-170°F
Causticity	Low
Silicated	Yes
Phosphated	Yes
Oil Cleaning Action	Emulsifying
Chelators	No

E-Kleen SR 149-L

A low temperature soak alkaline metal cleaning product which can be used on all metals.

Cleaning Methods	Soak
Metals	All
Concentration	0.5-10% by volume
Temperature	100-180°F
Causticity	Low
Silicated	Yes
Phosphated	Yes
Oil Cleaning Action	Splitting
Chelators	No

E-Kleen SR 163

Neutral phosphated multi cleaner. Ready to use for aluminum and other metals.

Cleaning Methods	Soak/Ultrasonic
Metals	All Metals
Concentration	5-15% by volume
Temperature	120-200°F
Causticity	Non-Caustic
Silicated	No
Phosphated	Yes
Oil Cleaning Action	Emulsifying
Chelators	Yes

E-Kleen SR 196

A non-emulsifying soak cleaner for steel and all metals.

Cleaning Methods	Soak
Metals	All
Concentration	5-12% by volume
Temperature	140-220°F
Causticity	Low
Silicated	Yes
Phosphated	No
Oil Cleaning Action	Splitting
Chelators	No



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CAUTION: Do not work with E-Kleen SR products without first reading and understanding the **MATERIAL SAFETY DATA SHEET** furnished by EPI.

In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. For eyes, call a physician.

IMPORTANT NOTICE! For Industrial Use Only

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: seller's and manufacturer's only obligation shall be to replace such quantity of the product as proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. **Neither seller nor manufacturer shall be liable either in tort or in contract for any loss or damage, direct, incidental or consequential, arising out of the use or the inability to use the product.**