DeaneCo S.R. #6

ACIDI CLEANER FOR STAINLESS STEEL

Acidic solution for removing weld marks, oxidation and discoloration on stainless steel. Used for passivation of stainless steel.

BENEFITS

- Can passivate Stainless Steel
- Use at room temperature
- Can be applied by immersion or brush on
- Easily controlled by titration

PHYSICAL PROPERTIES

Appearance	Liquide	Solubility	Water soluble	Flammability	Non flammable
Colour	Colourless	pH	1.5	Density	1.02
Odor	Pungent Odour	Flash Point	N/A		

AVAILABLE FORMATS

20L	20DESR6P

205L	20DESR6D

1000L	20DESR6T

LEGISLATION

WHMIS Regulated

SAFETY & HANDLING

Dispose of container and its contents in compliance with all applicable regulations.

Refer to safety data sheet for additional information.

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USE PROCEDURES

Use S.R. # 6 as received, undiluted.

IMMERSION:
1. Immerse stainless steel parts in S.R. # 6 bath for 20–30 minutes, at room temperature.
2. Remove parts from bath and rinse thoroughly with hot or cold water.
3. If traces of oxides or discolorations remain, repeat immersion step. Use acid resistant plastics for immersion bath containments.

SURFACE BRUSHING OR RUBBING:
Use a nylon cloth or a nylon bristle brush. Soak the cloth or brush with S.R. #6. With a continuous back and forth movement, rub or brush the discolored surface until becomes clean.

CONTROL:
1. Sample (may sample with pipette) 5 mL of bath solution.
2. Transfer sample to conical flask and dilute to approximately 100 mL water.
3. Agitate solution; preferably using a magnetic stir plate.
4. Add 3–4 drops of phenolphthalein indicator in the solution.
5. Titrate with an acid control solution until the appearance of a persistent pink colour appears.
6. Perform the following calculation: mLs acid * 3.22 = Volume % concentration of S.R. # 6 (% S.R. 6)

Tank Addition Calculations:
A) (100% -% S.R. 6) * 0.005 * tank volume = Volume of nitric acid to add
AND
B) (100% -% S.R. 6) * 0.0007 * tank volume = Volume of additive S.R. # 6 to be added

Example:
If the solution turns pink after 30 mL
3.22 * 30 = 96.6%
For a 1000 L tank
A) (100% - 96.6%) * 0.005 * 1000 = 17 L of nitric acid to be added.
B) (100% - 96.6%) * 0.0007 * 1000 = 2.38 L of additive S.R. # 6 to be added.

CONSULT WITH YOUR DEANECO REPRESENTATIVE FOR PRODUCT'S APPLICATION AND OPTIMAL USE.

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