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|  | SARA SAE ENGINEERING SPECIFICATION | |
| | Section: SES 26 – 770 | |
| | Issue: “A” | Rev No.: “0” |
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MATERIAL SPECIFICATION FOR SURKLIN-102

| Rev | Reason of Change | Date | Made By | Reviewed By | Approved By | Status |
|-----|------------------|------------|--------------|-------------|-------------|----------|
| 0 | --- | 06-08-2014 | Pankaj Kumar | K. Sunil | K.C. RATURI | RELEASED |

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MATERIAL SPECIFICATION FOR SURKLIN-102

1.0 SCOPE

- 1.1 - Surklin 102 is a heavy duty caustic free alkaline cleaner used for cleaning of ferrous mild steel articles by dip mode of application.
- 1.2 - This material specification is intended to aid the purchasing department in procuring and the vendor in supplying a material which meets the needs of its intended use, and the quality control department in the inspection and release of incoming material.

2.0 OPERATION

2.1 CONCENTRATION:-

- 2.1.1. - 20-30 Kgs. per 1,000 ltrs. of solution. Dissolve the required amount in cold or warm water then heat to the operating temperature.


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|----------------|-------------|
| Temperature | : 55-65°C |
| Treatment Time | : 2- 4 min. |

- 2.1.2. - The treatment concentration, time and temperature will depend upon type and amount Of oil present on surface.

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| Typical operation | : 20 gms / ltr. @ 6°C for 2 min. |
| Free Alkali | : 18±1 pts |

3.0 HAZARDOUS INGREDIENTS

Sodium Metasilicate (CAS NO.: 6834-92-0)

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4.0 PHYSICAL PROPERTIES

- | | |
|--------------------------|-------------------------------|
| 1. – APPEARANCE | : OFF WHITE TO BUFF POWDER |
| 2. – DENSITY | : NA |
| 3. – SOLUBILITY IN WATER | : SOLUBLE |
| 4. – ODOUR | : NOTHING CHARACTERISTIC |
| 5. – OTHER (pH) | : ALKALINE |

5.0 STORAGE AND HANDLING PRECAUTION

- 5.1- Store in cool & dry place (preferably within 25-35°C under closed condition to avoid any contaminations). Keep away from acids and organic compounds. Loosen cover cautiously when opening.
- 5.2- Additional information : Store above freezing temperature.

6.0 DOCUMENTATION REQUIRED

Each shipment shall be accompanied by material certifications for each lot of material, certifications must be positively relatable to the lot of material represented.

7.0 APPROVED SOURCE

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| Contact Person Name | : Shripad Chtale |
| Co. Name & Address | : Grauer & Weil (India) Ltd. Akurli Road, Kandivli (East) Mumbai 400101, India M- 09967502596 Ph. No. +91 22 66993000 Ext-220 FAX- +91 22 66993010 URL- www.growel.com |