



PRODUCT STANDARD
TME DIVISION, BHOPAL

TM 11485

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TME/2011

SPECIFICATION FOR THINNER FOR STATOR WASHING

1.0 General:

1.1 Scope :

This specification covers the manufacture and supply of Thinner for stator washing to be used in 3-phase Traction Motor type 6FRA 6068 & 6FXA 7059 application as stator washing / cleaning after VPI. The material shall comply with this specification instruction general. Thermal & Physical and all other listed requirements. This specification is based on DIN, ISO & IS.

1.2 Description :

This material is a mixture of Ketones, hydrocarbons and alcohols.

1.3 Use:

It will be used to remove cured silicon varnish from unwanted locations on stator body.

2.0 Requirements :

2.1 Properties:

Size & terms	Unit	Value	Test method
Colour		Colourless	Visual
Density	g/cm ³	0.83 ± 0.01	DIN 53217
Flash point	°C	< 21	ISO 1523 ISO 3679 (DIN 53213/1)
Refractive Index	--	1.43... 1.44	ISO 489
Boiling Range	°C		DIN 51751
5 vol %		65 ± 5	
95 vol %		130 ± 5	
Viscosity at 20°C -6mm	Sec.	<10	ISO - 2431
Solvent separation test at 20°C	% (v)	<3	--

Storage life: 12 months at < 21 °C

Revision : 00

Date:

Distribution

Qty.

Approved :
(S.Mehrotra)

Prepared:

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Checked:

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Date:

4.5.2011

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- 2.2 Safety data sheet:** Material safety data sheet must be furnished by the OEM/ supplier along with tender.
- 3.0 Packing :**
- 3.1** Material shall be supplied properly sealed in steel container which shall be dry, clean and free from substance soluble in thinner and leak proof.
- 4.0 Marking :**
- 4.1** Each container shall be marked with the following information :
(i) Manufacture's name & trademark.
(ii) Purchase order reference and date.
(ii) Description, net weight & gross weight of the material in container batch no., date of manufacture / packing and date of expiry.
- 4.2** Product precautions during use must be marked on the container.
- 4.3** The container shall have the caution level **HIGHLY FLAMMABLE LIQUID** in red letters.
- 4.4** It shall also bear the corresponding symbol for labelling of dangerous goods (see Fig.5 of IS: 1260 (Part-I) 1973).
- 5.0 Inspection :**
- 5.1** The material shall be inspected by an authorized representative of BHEL at the firm's premises for which necessary testing facilities shall be made available by the supplier free of cost.
- 5.2** Inspection authority must check original challan / invoice in case of import. The firm must produce original TC, GC and import document to the inspecting authority. TC should not be older than 60 days at the time of inspection.
- 6.0** This specification is equivalent to CLW's specification no. 4TMS.096.030.