

**SARA SAE ENGINEERING SPECIFICATION****Section: SES 26 – 771****Issue: "A" Rev No.: "0"****Eff. Date: 06-08-2014****Page: 1 of 5****MATERIAL SPECIFICATION FOR AEROGUARD PR – 303 LT-HD**

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 AEROGUARD PR – 303 LT-HD **WATER DISPLACING RUST PREVENTIVE OIL**

1.0 SCOPE

1.1- Aeroguard PR 303 LT-HD is unique corrosion preventative based on an inorganic - complex that is highly polar and forms excellent bond with ferrous surfaces. This product will provide additional lubricity to phosphate surface. Use after electroplating, paint removal, cleaning or any other “wet” chemical process to prevent rust. Aeroguard PR 303 LT-HD deposits a thin, transparent waxy film that will not interfere with machined tolerances and has low moisture transmission, even when in contact with water. These pliable film will not crack or age hardens. It has low viscosity which provides good penetration and drainage.

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 PHYSICAL & CHEMICAL PROPERTIES

1.- Composition	: Solvent based corrosion preventive compound
2.- Appearance	: Liquid
3.- Odour	: Mild solvent
4.- pH	: Note: not applicable
5.- Freezing point	: -23.3°C (-9.9°F)
6.- Boiling point/ boiling range	: 162.8°C
7.- Vapor pressure	: 20.615 hPa at 38°C (100°F)
8.- Bulk density	: 7.14 lb. / gal
9.- Water solubility	: Note: Insoluble
10.- Partition co-efficient:	:
n- octanol / water	Note: no data available
11.- Relative density	: 0.857 at 29°C (84°F)
12.- Evaporation rate	: Note: NO data available



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3.0 APPLICATION PROCEDURE

- 3.1.- Aeroguard PR 303 LT – HD is to be used as received, and was developed for dip applications, especially if water displacing properties are needed.
- 3.2. - Spraying or flow coating is also acceptable. Will cover up to 1200 sq. ft. (per gallon) depending on temperature application method and surface porosity.
- 3.3.- Some separation can be expected during storage. It is recommended that you mix this product well before use.

4.0 SOLUTION CONTROL

Aeroguard PR303 LT-HD is used as received. No solution control is required.

5.0 HAZARDOUS COMPONENTS INFORMATION

Component	CAS -NO.	Weight percent
Dipropylene glycol ether	34590-94-8	1.00 – 5.00
Medium aliphatic petroleum naphtha	8052-41-3	30.00 – 60.00
Oil Soluble Calcium Sulfonate	mixture	5.00 – 10.00
Over based Calcium Sulfonate	mixture	15.00 – 40.00

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910. 1200)

6.0 HYZARDS IDENTIFICATION

6.1 EMERGENCY OVERVIEW

Form	: Liquid
Color	: Brown
Odour	: Mild
Hazard Summary	: Flammable / Combustible Harmful by inhalation. Harmful if swallowed. Causes Irritation of eyes and skin.

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Route(s) of Entry :	Inhalation	Skin	Ingestion
	Yes	Yes	Yes

Carcinogenicity:

NTP	No substance in this product is listed by NTP as a carcinogen.
IARC	No substance in this product is listed by IARC as a carcinogen.
OSHA	No substance in this product is regulated by OSHA as a carcinogen.

7.0 STORAGE AND HANDLING PRECAUTION

Dry indoor storage at temperature between 40°F and 100°F (4.4°C and 37.8°C) is recommended, away from any incompatible materials.

7.1 STORAGE

Requirements for storage areas and containers	: keep containers dry and tightly closed to avoid moisture absorption and contamination. Store indoors in a cool, well- ventilated place keep away from open flames, hot surfaces and sources of ignition. Keep drum out sun and away from heat.
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7.2 HANDLING

Handling	<p>: Unscrew closer slowly, allow all pressure to escape through threads before removing closure.</p> <p>Use with adequate ventilation.</p> <p>To avoid fire or explosion, ground And bond container and receiving equipment before transferring material.</p> <p>Do not breathe mist or vapor. Product must be mixed well prior to use.</p>
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8.0 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.

9.0 APPROVED SOURCE

Product name	: AEROGUARD PR303 LT - HD
MSDS Number	: REL_76022
Company Name & address	: Chemetall US, Inc. 675 Central Avenue New Providence, NJ 07974
Telephone	: +18005264473
Telefax	: +19084644658
Emergency telephone no.	: CHEMTREC – 800-424-9300