



Product Information Sheet

Ze-VERP21F

PRODUCT DESCRIPTION

Ze-VERP 21F is low viscosity rust preventive specially designed for Work-In-Process (WIP) and in-plant/ domestic in-transit corrosion protection. Ze-VERP 21F provides corrosion protection against aggressive environments (such as salt air, high temperatures etc.) for ferrous metals.

FEATURES

- Excellent indoor protection.
- Excellent domestic/in-land transit protection.
- Easily degreasable
- Barium free

METALS PROTECTED

- Cast Iron
- Stainless Steel
- Carbon Steel

TYPICAL APPLICATIONS

- Forged parts
- Casting parts
- CKD applications for in-land and domestic transit
- Semi machined parts

Product Preparation:

Product should be mixed thoroughly and uniform prior to use.

Product Application Method:

Spray, brush, or dip.

Protection Life

Indoor: Up to 6 months under shelter

Domestic Transit: Up to six months with adequate primary and secondary packaging

PROTECTION PROPERTIES*

Test	Standard	Results
Salt Spray	ASTM B-117	32**
Humidity chamber	IEC 68-2-30	700**

** When tested on 1010 carbon steel panels

TYPICAL PROPERTIES*

Appearance	Amber liquid
Film Type	Light oil layer
Flash Point	65 °C
Shelf Life	24 months @ 100°F
Dynamic Viscosity @ 25 °C	4.05 cP
Density @ 29.5 °C	0.851 g/mL

* These are typical values and do not constitute a specification

Disclaimer: We cannot anticipate or control the many conditions under which the information and the product may be used. Hence, we make no warranty, express or implied, as to the effects of use (including but not limited to damage or injury) or the results to be obtained, whether or not used in accordance with the directions. The information furnished is believed to be accurate to the best of our knowledge. Harita-NTI is not liable for any loss, damage, incidental or consequential. Buyer assumes all responsibility in use, storage and handling of this product.



Product Information Sheet

Directions for use:

1. Make sure parts are clean and dry. i.e. parts should be corrosion free, contamination free, moisture free at the time of packing.
2. Wear gloves when handling parts to avoid fingerprint corrosion
3. Apply in a well ventilated area that is away from sources of heat or ignition
4. Spray, brush or dip metal parts with Ze-VERP 21F
5. Use appropriate Personal Protection Equipment (PPE) during use
6. Parts must be dry prior to packaging. Drying time is approximately 5 minutes; use a fan to reduce drying time
7. Package parts using Zerust materials for added corrosion protection
8. Ship or store parts in protected storage and not exceeding ambient temperature.
9. For external corrosion protection components to be recommended with VCI.

Important recommendations:

For Dip application:

1. For dipping applications, a conical tank with drain facility at the bottom is recommended
2. A clearance with a mesh tray should be provided inside the tank such that the component does not touch the bottom portion of the tank
3. Tank capacity should be decided by the user based on the component size, production volume,

desired output, space availability etc.

4. To maintain the oil level, Ze-VERP 21F should be topped up periodically (daily or shift wise preferably)
5. Water and contamination should be drained from the bottom of the tank every day
6. The product should be filtered periodically to remove suspended particle contamination.
7. The dip tank should be cleaned periodically.
8. Product should be replaced with fresh product in the tank periodically.

For Spray application:

1. Use a face mask while spraying
2. Flower type spray gun can be used for better spread and coverage
3. Recycling of the collected product is not advisable without proper filtration

For Brush application:

1. Always use a dedicated brush. i.e. do not use a brush that is used for another product
2. Use a brush with plastic bristles.
3. Periodically clean the bristles

Available Packaging:

- 35 liter can
- 210 liter barrel

For more information, refer the MSDS of the product. MSDS can be obtained by contacting the regional representative, authorized distributor or at the email/number below.

For save and efficient use of the product, it is recommended that all the points mentioned in the user manual should be followed. If you have any questions, please email us at salesadmin@scl.co.in or call us at 044-26250886.

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