

## EVAPO-RUST™ Wipes/Solution

- Wipes Remove Light Surface & Flash Rust
- Liquid Removes Deep Rust
- Excellent Rust Inhibitor - prevents rust from forming up to 6 weeks



### PRODUCT DESCRIPTION:

JNJ Industries' GlobalTech® EVAPO-RUST™ WIPES have been proven effective to remove light surface and flash rust on all types of mild steel and iron. It is safe on all surfaces and will not harm copper, brass, aluminum, plastic, rubber or vinyl. These unique wipes work against rust in two distinct ways; first, as a rust remover through wiping, rubbing, and/or wrapping; secondly, as a rust inhibitor, by leaving a protective coating on a clean area to prevent additional rust from forming for up to 6 weeks depending on heat and humidity. EVAPO-RUST LIQUID is extremely effective in the removal of deep rust.

### EVAPO-RUST WIPES AND LIQUID WORK AGAINST RUST FOR ALL APPLICATIONS

### INDUSTRIES USING EVAPO-RUST:

- Industrial - metal working, machining, plating, oil fields, foundries, welding shops, metal stamping
- Military & Police - armoring, gun repair, forensics, vehicle and marine maintenance, launch pads
- Transportation - aerospace, trucking, auto and railway maintenance, machine shops, part remanufacturing
- Restoration - autos, antiques, tools, furniture, home repair, tractors, boats, motors, toys, toy train sets

### How It Works:

EVAPO-RUST works through selective chelation. This is a process in which a large synthetic molecule forms a bond with metals and holds them in solution. Most chelating agents bind many different metals. The active ingredients in EVAPO-RUST bonds to iron exclusively. It can remove iron from iron oxide but is too weak to remove iron from steel where the iron is held much more strongly. Once the chelating agent has removed the iron, a sulfur bearing organic molecule pulls the iron away from the chelator and forms a ferric complex which remains water soluble. This frees the chelating agent to remove more iron from the rust.

### PRODUCT HIGHLIGHTS, ENVIRONMENTAL & REGULATORY COMPONENTS:

- Can be continually reapplied to provide a protective coating that helps prevent future oxidation
- Water soluble, no fumes or bad odors
- Non-toxic, non-corrosive and non-flammable
- Safe on all surfaces - will not harm unruled steel, copper, brass, aluminum, plastic, rubber, vinyl, PVC, Viton, clothing, glass, safe on anodizing, powder coating and paints that do not contain oxides
- Contains no petroleum products, silicones, silicates, chlorine, acids, alkalis, bases, solvents or other toxic ingredients
- VOC Free and contains no HAPS
- Liquid is biodegradable
- NSF (National Sanitation Foundation) approved

### TECHNICAL DATA:

**INGREDIENTS:** Specific identities withheld under Trade Secret Status

FREEZING POINT °C	BOILING POINT °C	FLASH PT. °F TCC	PH	VAPOR DENSITY (Air=1)	VAPOR PRESSURE (mmHg)	SPECIFIC GRAVITY (water = 1)	EXPLOSION PROPERTIES	SOLUBILITY IN WATER
same as water	same as water	N/A	6.1	N/A	N/A	1.05	N/A	Complete

**HAZARD RATING:** Fire: 0, Toxicity: 0, Reactivity: 0 **HAZARD CLASS:** None  
**IN ALL CASES REFER TO THE MATERIAL SAFETY DATA SHEET (MSDS)**

## ENVIRONMENTAL:

- Not a Hazardous Air Pollutant (HAP)
- Not an ozone depleter
- Not regulated by the Clean Air Act (CAA)
- Not implicated in global warming
- SNAP (Significant New Alternatives Policy) Approved
- Not reportable under SARA 313
- All ingredients are listed in the TSCA Inventory - Toxic Substance Control Act

## MATERIAL COMPATIBILITY:

Not recommended for use on Polystyrene, PVC, Vinyl, Acrylics or ABS plastics. May affect some painted surfaces and thermoplastics. If substrate is unknown, test sample area before general use. Pump and valve seals should be made of EPDM, Teflon or Kalrez. Avoid contact with Copper and Copper Alloys, such as Brass. Use only high density polyethylene (HDPE) valves and containers.

## WASTE DISPOSAL:

For disposal methods, consult a licensed waste management firm or the appropriate local, state and federal agencies in your area. Liquid solvent can be reclaimed by distillation using the proper equipment or continuous filtered automatic cleaning equipment with built-in carbon or micro filtration. JNJ provides Foil Refill Packs for our SuperSaturated SmartWipe® canisters to help reduce environmental waste.

## STORAGE AND SHELF LIFE:

JNJ Industries will guarantee shelf life of 12 months without breakdown, actual may be longer. Shelf life expectancy is from date of shipment. Store in room temperature.

## CONVENIENT PACKAGING:

EVAPO-RUST, like all JNJ GlobalTech solvents, is offered in several packaging styles to make it convenient for users to apply the product in their respective applications. Presaturated wipes and Foil Refill Packs, pints, gallons, and 5 & 55 gallon drums are the available choices.

## EVAPO-RUST ORDERING INFORMATION:

JNJ part numbering and packaging are as follows:

SW100EPR	100-wipe canister of SuperSaturated SmartWipes, 12/case
FR100EPR-6	100-wipe replacement log in vacuum sealed Foil Refill Packs - 6 pack
FR100EPR-12	100-wipe replacement log in vacuum sealed Foil Refill Packs - 12 pack
SW20EPR	20-wipe canister of SuperSaturated SmartWipes, 24/case
SB6EPR	1 pint trigger SmartSpray® bottle, in antistatic plastic, 6/case
GA6EPR	1 gallon container, in HDPE (high density polyethylene), 6/case
DR55EPR	55 gallon drum in high density polyethylene (HDPE)

## ADDITIONAL JNJ PRODUCTS OF INTEREST:

- Hand Cleaner Wipes w/Chelator
- Ultra ONE Heavy Duty Degreaser
- Terminator - Mold & Mildew Cleaner
- Isopropyl Alcohol - 99% & IPA/DI
- Fleet & Mass Transit Clean
- Tile, Grout & Bathroom Cleaner
- Foil Refill Packs for SuperSat's
- Graffiti Remover & White Board Cleaner
- SmartWipe® Dry Wipes
- Metal Squeegee Blades & Holders
- SmartRoll® UnderStencil Wiping Rolls
- SmartRoll® SelectaWipe™
- SmartWipe® Dry Wipes
- Universal Tooling Plate(s)

GlobalTech Technical Data Sheets are published based on sources believed to be accurate. JNJ Industries does not guarantee the accuracy of the information and does not assume liability in connection with any damages that may be incurred while using the product.

For more information see the corresponding EPR MSDS or contact:

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