

TECHNICAL DATA SHEET

FERONIX RUSTKLEEN RUST REMOVER SOLUTION



WATER BASED

READY TO USE

NON FLAMMABLE

ZINC PHOSPHATE FLIM

RUST REMOVAL + TEMPORARY CORROSION PROTECTION

A water-based, ready-to-use rust remover and light-oil cleaner for metal surfaces. It removes rust and light oil while leaving a temporary zinc-phosphate protective conversion film, providing 60–90 days of rust protection without additional rust-preventive oil or wax.

FERONIX RUSTKLEEN (RUST REMOVER SOLUTION)

PRODUCT OVERVIEW:

FERONIX RUSTKLEEN is a water-based, ready-to-use rust remover-cum-rust preventive solution designed for metal surfaces. It removes rust and light oil, acts as a rust converter and leaves a zinc-phosphate protective film to guard against further corrosion for 60–90 days, without requiring additional rust-preventive oil or wax.

PRODUCT DESCRIPTION:

FERONIX RUSTKLEEN is built on a phosphoric acid and zinc phosphate primer specification and is intended for steel, cast iron, stainless steel, mild steel, CR sheets and fabricated components. It is designed as a pre-paint metal treatment before painting or powder coating and is suitable for dipping and swabbing processes.

KEY BENEFITS:

- Water-based, ready-to-use anti-rust treatment.
- Removes rust and light oil and acts as a rust converter.
- Provides 60–90 days zinc-phosphate rust protection without additional oils or wax.
- Non-flammable.
- Suitable for automobile components and metal parts.
- Ideal pre-paint and pre-powder-coating treatment.
- Cost-effective for dipping and swabbing applications.

RECOMMENDED APPLICATION:

Automobile Industry	Steel Fabrication	Machine Components	Powder Coating Plants
Metal Surface Preparation	Storage Handling		

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Parameter	Specification
Appearance	Clear Colorless Liquid
Viscosity at 27°C	12 second
PH	2–4 at 27°C
Density	1.10 g/cc
Film Thickness	0.08 micron under delta meter
Flammability	Non-flammable
Application Equipment	Plastic Bath or Plastic Bucket (Do not use MS container)
Coverage Area	150–200 Sq. Ft. area per liter
Application Method	Dipping / Swabbing
Temporary Protection	60–90 days zinc phosphate rust protection
Packing & Storage	05 & 20 Liters in Plastic Drum

APPLICATION PROCESS

STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5
Surface Cleaning	Rust & Oil Removal	Feronix Rustkleen	Dry Surface	Paint / Powder Coat

AVAILABLE PACK SIZE

FERONIX THERMAX is available in: 05 Liter and 20 Liter (printed plastic drum).

STORAGE, SAFETY & PRECAUTIONS

STORAGE CONDITIONS

Store in the original, tightly closed container in a cool, dry and well-ventilated area. Protect from direct sunlight, excessive heat, frost and contamination.

RECOMMENDED STORAGE

Parameter	Recommendation
Storage Temperature	5°C to 35°C
Storage Area	Cool, Dry & Well Ventilated
Container Condition	Keep Tightly Closed
Container Material	Plastic container recommended
Sunlight Exposure	Avoid Direct Sunlight
Shelf Life	Refer Product Label

HEALTH & SAFETY PRECAUTIONS

- Read the SDS/MSDS before handling.
- Wear chemical-resistant gloves and safety goggles.
- Use protective clothing and suitable footwear.
- Use only in adequately ventilated areas.
- Avoid contact with eyes and prolonged skin contact.
- Do not eat, drink or smoke while handling.
- Keep containers closed when not in use.
- Use compatible plastic application containers; do not use MS containers.

SAFE HANDLING

- Avoid splashing during dipping or swabbing.
- Do not mix with other chemicals unless approved.
- Wash hands thoroughly after handling.
- Follow applicable site chemical-handling procedures.

FIRST AID MEASURES

Eye Contact: Rinse cautiously with clean water for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing before reuse. Seek medical attention if irritation persists.

Inhalation: Move to fresh air. If discomfort continues, obtain medical attention.

Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical attention.

FIRE FIGHTING MEASURES

FERONIX RUSTKLEEN is specified as non-flammable. If a fire involves surrounding materials, use an extinguishing medium appropriate for the surrounding fire and follow site emergency procedures.

DISPOSAL

Dispose of unused product, spent treatment liquid, empty containers and contaminated materials according to applicable local environmental regulations. Do not discharge used chemical solution into drains, watercourses or soil.

DISCLAIMER

The information contained in this Technical Data Sheet is based on laboratory evaluations, product development data, and practical application experience available at the time of publication. Actual product performance may vary depending on substrate condition, surface



FERONIX SURFACE SOLUTIONS

preparation, application method, environmental conditions, maintenance practices, and service environment.

Users should determine product suitability through representative trials where necessary. FERONIX SURFACE SOLUTIONS may revise product specifications and this TDS as part of product development.