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TECHNICAL DATA SHEET

HB-138

RUST REMOVER & PHOSPHATIZER

DESCRIPTION:

- Chemically removes rust and corrosion from steel and iron.
- Conditions as it cleans while it microscopically etches the surface to increase the bond of *protective* coatings.
- Leaves a "phosphatized" film to actually help resist rusting.
- Loosens rust and corrosion for hosing off with water.

ADVANTAGES:

- Chemically removes rust and corrosion.
- Economical - eliminates scraping, sandblasting and wire brushing.
- Leaves a "phosphatized" film suitable for painting.
- Cleans, degreases and etches.
- Nonflammable.
- Works fast – two to five minutes.
- No harmful fumes.

AREAS OF USE:

- Safe to use on aluminum, iron, steel, cadmium plate, brass, copper, bronze and lead.
- Areas of use on pipes, gutters, signs, boilers, fences, water and oil tanks, farm implements, structural steel, heavy equipment, metal roofing, machinery, drums, trucks, tools, guard rails, etc.

PROPERTIES:

Form	Liquid
Odor	Slight
Color	Clear
Toxicity	See Label
Wetting Ability	Excellent
Detergency	Excellent
Foaming	Medium
Biodegradability	Yes
Emulsification	Excellent
Phosphates	None

PROPERTIES: (Continued)

Storage Stability	1 yr.
Cold Stability	32°F
Corrosion Factor	Minimal
Flash Point	None
Soiling Point	212°F
Vapor Pressure (mmHg)	N/A
Vapor Density (Air = 1)	N/A
Solubility in Water	Complete
Specific Gravity (H ₂ O = 1)	1.1103
% Volatile by Volume	76%
Evaporation Rate	N/A
pH	Less Than One
Free Acid	Phosphoric = 21.0%
Wt, per Gallon	9.26

SAFETY:

Label use directions should be followed carefully. OSHA Material Safety Data Sheet available.

USAGE:

Spray or brush-apply to metal surface to be cleaned. Allow to work (approximately two to five minutes), and remove with clean water.

For heavy rust deposits, it may be advisable to wire brush surface before washing off concentrate. A second application of concentrate may be necessary on certain types of metal.

CAUTION:

Contains acid. Protect eyes, skin and all parts of body with protective clothing. Do not allow material to come in contact with glass.