

MATERIAL SAFETY DATA SHEET SIMILAR TO OSHA FORM 20

SECTION 1.



RUST AND SCALE REMOVER

MANUFACTURER/DISTIRBUTOR: GREEN POWER, 800-032-9371
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EMERGENCY TELEPHONE NUMBER: (973) 770-5600
CHEMICAL NAME AND SYNONYMS:

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Table with 5 columns: Hazardous Components, OSHA PEL, OTHER ACGIH TLV, PERCENT LIMITS, PERCENT OPTIONAL. Rows include Phosphoric Acid, Nonylphenol Ethoxylate, and Dipropylene Glycol Monomethyl Ether.

*Phosphoric acid is subject to SARA section 311, 312, and 313. It is classified as an Immediate Health hazard.
**Nonylphenol Ethoxylate is listed with SARA Section 311 as Glycol Ethers.
***Dipropylene Glycol Monomethyl ether is subject to SARA Section 311/312 as an Immediate Health hazard and a Fir Hazard.

DOT Shipping Classification – Corrosive

Health Rating....3 Flammability....0 Reactivity....0

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point.....212 deg. F Specific Gravity.....(H2O=1)>1
Vapor Pressure (mm Hg).....NA Melting Point.....NA
Vapor Density (air=1).....>1 Evaporation Rate.....NA
Solubility in waterComplete (Butyl Acetate = 1)
Appearance and Odor: Clear liquid, fruity odor

SECTION IV. FIRE AND EXPLOSION HAZARD

Flash Point (Method Used): None Flammable Limits: LEL: UEL:
Extinguishing Media: See unusual fire and explosion hazards

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: Although this product does not meet the parameters for flammability, it may react with metals to liberate hydrogen, a flammable gas. In this case, water spray may be effective in absorbing gas.

SECTION V.

Stability: Stable [X] Conditions to Avoid:

Incompatibility (materials to avoid): Avoid materials such as sulfides and sulfites, strong bases. Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will not occur Conditions to Avoid: None

SECTION VI. HEALTH HAZASRD DATA

Route(s) of entry: Inhalation: Yes Skin? Yes Ingestion? Yes

Health Hazards (Acute and Chronic): Irritation to upper respiratory tract, eyes and skin; burns skin and eyes: dermatitis. At 1 ppm, the Federal Standard, phosphoric acid mist is irritating to unacclimated workers, but easily tolerated by acclimated workers.

Carcinogenicity: NTP? NO ARC Monographs? NO OSHA Regulated? NO

Medical Conditions Generally Aggravated by Exposure: Points of attack are respiratory system, lungs, eyes, and skin.

Emergency and First Air Procedures: Skin and eyes – flush with water and see physician. Ingestion – get immediate medical attention. Inhalation – remove to fresh air and perform artificial respiration. If necessary, see physician.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Flush with water and soda ash. Pick up with absorbent.

Waste Disposal Method: According to federal, state and local authorities only.

Precautions for Storing and Handling: Keep from freezing. Do not contaminate with unknown chemicals.

Other Precautions: None

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): When exposure limit is exceeded, use NIOSH approved equipment with full facepiece.

Ventilation Local Exhaust: Preferred Special:
 Mechanical: Other:

Protective Gloves: Impervious

Eye Protection: Chemical safety goggles. Eye wash should be accessible.

Other Protective Clothing or Equipment: Impervious clothing

Work Hygienic Practices: Launder contaminated clothing before reuse. Wash thoroughly after handling.