

Technical Data Report

DEFENSE EF

METAL PARTS PROTECTOR



DESCRIPTION

DEFENSE EF is a USDA authorized metal parts protector. Quickly coats metal parts, castings, cables, winches, pulleys, tools, dies, pipe threads, hoists, jigs and riggings. Gives indefinite indoor protection and long-lasting outdoor protection. Transparent amber color is easily seen through while showing its application. Sets up to a hard yet flexible coating in 2 hours. To remove, use kerosene or mineral spirits. Weldable and paintable. Contains no chlorinated or fluorinated solvents.

APPLICATIONS

An excellent product for tools, pipe thread, metal parts, dies, castings, pulleys, hoists, cables, and riggings. Great for use by industrial plants, oil rigs, pipeyards, heavy equipment, construction vehicles, boats, ships, trucks and cars. There are hundreds of applications for this product.

FEATURES & BENEFITS

- Prevents rust and corrosion
- Contains no chlorinated or fluorinated solvents
- Meets Mil Spec C-16173D, Grade 4 and C83933A
- Weldable – Paintable

SPECIFICATIONS

FORM: Solvent Based Aerosol
ODOR: Petroleum Solvent
COLOR: Amber
DETERGENCY: N/A
TOXICITY: 500 ppm OSHA TLV
WETTING ABILITY: Good
STORAGE STABILITY: 1 Year +
COLD STABILITY: 0°F
PHOSPHATES: N/A

FLASH POINT: 150°F TCC
FLAME EXTENSION: 15"
SOLUBILITY IN WATER: 0%
SPECIFIC GRAVITY: 0.76
% VOLATILE BY VOLUME: 40%
pH: N/A
PROPELLANT: Hydrocarbon
EVAPORATION RATE: Fast
BIODEGRADABILITY: Yes

LABEL INFORMATION

DEFENSE EF METAL PARTS PROTECTOR

A flexible, weldable, metal parts protector. When applied, it will prevent rust and corrosion on all metal parts. Apply to machined parts, dies, pipe threads, casting, tools, jigs and stamped metal parts. Prevents corrosion due to salt spray on cables, hoists, pulleys, winches and riggings. Effective in protecting metal parts on boats, ships and dock equipment. Affords long term protection for indoor or outdoor storage. Excellent for protecting materials while in transit. This product is USDA authorized.

A 2 or 3 mil coating will provide indefinite protection for indoor storage and 6 months to 1 year protection for outdoor storage. A 5 or 6 mil coating will protect materials for up to 2 years in outdoor storage. Film is a transparent amber, easy to see through. Can be removed by washing with kerosene or mineral spirits. Once removed, parts can be painted.

DIRECTIONS FOR USE: Product is most effective when parts are clean and free of rust, scale or dirt. However, product will afford adequate protection when applied over rust, scale and dirt, and will aid in removal later.

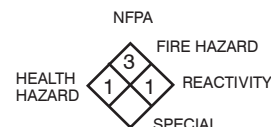
Remove protective cap. Point opening in spray tip towards part to be coated. Holding can 8 to 10 inches from part, spray 2 or 3 mil coat with a slow sweeping motion. Completely wet surface. For extremely severe conditions, wait 5 minutes and apply another coat. Product will completely set up in 2 hours. Once the film is hard, part can be handled. Dust and dirt can be wiped off without affecting film.

DANGER: Extremely Flammable Aerosol. Contains gas under pressure: may explode if heated. Causes skin and serious eye irritation. May cause respiratory irritation, drowsiness or dizziness. May cause damage to organs. May cause damage to organs (central nervous

system, kidney, peripheral nervous system) through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Keep away from heat, sparks, open flames, and hot surfaces. –No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Avoid breathing fumes, mist, vapors, and spray. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Dispose of contents and container in accordance with local, state, and national regulations.

CONTAINS (CAS): Mineral Spirits (8052-41-3), Oxygenated Hydrocarbon (N/A), Propane/n-Butane (68476-86-8), Heptane (142-82-5).

HEALTH	1
FLAMMABILITY	3
REACTIVITY	1
PERSONAL	B



PACKAGING INFORMATION

12 – 16 oz cans per case, 12.5 oz net weight