

DESCRIPTION OF APPLICATION

Problem Killer HD forms a wet film, providing Ultra-Long term protection against corrosion in most environments, exceeding 2000 hours in salt spray testing (ASTM B-117). It is designed for virtually all kind of used and new machinery, vehicles, ships, drilling rigs and other industrial installations, as well as for lubrication application in extremely severe corrosive environments.

GENERAL INFORMATION

Problem Killer HD is an extremely effective corrosion inhibiting coating. Compared to other, conventional products, many advantages can be put forward. **Problem Killer HD** does not contain any Lead, Isocyanate or Cr6, Silicon or PTFE. Thanks to its Polar Bonding Technology it provides maximum adhesion to steel and extraordinary dielectric abilities isolating the anode and the cathode. It does not require sandblasting before the treatment and is easy to apply. This means a great cost benefit!

CONDITIONS

Equipment may be used in all weather conditions, except under the waterline of ships and other immersed applications.

PREPARATIONS

remove any rough soiling, if existent.

THINNING

Never ever

APPLICATION

Just spray Problem Killer HD inside the machinery, so that a long-term protection is achieved. If you have existing corrosion, we recommend a treatment with Problem Killer , on effected areas first, for a better penetration. Problem Killer will penetrate through it and stop the corrosion process!

For even better efficiency, we recommend our Treatment System.

Application TEMPERATURE

+10°C (40°F) to 50°C (125°F)

PERMANENT PROCESSING TEMPERATURE

-60°C (-75°F) up to +120°C (+250°F) Lubrication

-80°C (-112°F) up to +120°C(250°F) Corrosion Protection, 180°(350°F)Short Term

TIME OF PROTECTION

The time of Protection in closed Systems is more than 8 Years utilizing Problem Killer Heavy Duty

REMOVAL

Under normal conditions Problem Killer does not need to be removed. Should that however become necessary, different measures should be taken in order to achieve the percentage cleanliness needed. Where a dust dry surface is needed, you can, if the use of water is an option, e.g. on vehicles etc., use a high pressure water hose combined with a soap supply. Where the use of water is not an option, the surface in question should be rubbed dry with a cloth. Where the percentage of cleanliness is needed to allow repainting of the surface in question, Problem Killer is to be removed with a solvent. For this purpose we recommend acetone or Problem Killer Cleaner Formula G

OTHER

Please follow the instructions for use, specified by the manufacturer.

Please pay attention to our safety data sheets and our product data sheets.

Safety

Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

Ventilation (Aerosol only)

When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapour concentration from reaching the lower explosion limit for the solvents used. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel.

Caution (Aerosol only)

This product contains flammable propellants (aerosol only) . Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

Additional Product Data Problem Killer Heavy Duty

Specific Gravity @15.6°C (60°F)	0.911
Viscosity, cSt @ 40°C (104°F)	393.84
cSt @ 100°C (212°F)	275.80
Flash Point c.o.c.	>142°C (188°F)
Pour Point	-7°C (19°F)
Boiling Point	>100°C (212°F)
Volume Solids	91.5%
VOC	3 g/L
Solubility in Water	Insoluble
Film Thickness	0.012mm
Saltspray, hrs	>2000h
Humidity Cabinet hrs.	>1600h
Dielectric Strenght	>15000V
Anti-Wear 0.40mm	The smaller the number the better the performance. Standard lubricating oil have a value of 1.0 – 1.2
Storage: Bulk:	Store at room temperature (10°C (50°F) and more) Aerosols not more than 50°C (122°F)
Shelf Life: Bulk:	Indefinite as long as container remains capped. Aerosols: 2 years.

Compatibility with other Materials

Rubber: No visible effect on Buna-N, Viton or Neoprene. Slight swelling and/or softening of Butyl rubber items

Adhesives and Sealants: Usually no effect but some adhesives may soften and sealants with silicone may experience slight. Recommend a small test sample prior to widespread application.

Painted Surfaces: Paints typically used on aircrafts, automobiles and machinery are unaffected by Problem Killer. Polishes and some wax coatings may soften by the application of any hydrocarbon product.

Plastics: Problem Killer is compatible with most commonly-encountered plastics such as: Acrylic, Polyester, Nylon, Vinyl, Delrin, Formica; Polypropylene, Polyethylene. Should there be any question, when other types of plastic are involved, it is suggested a small sample be tested.

Fabrics: Problem Killer will be absorbed into the fibers of most fabrics, thereby creating slight staining. The stain is not permanent and may be removed with naphtha or mineral spirits.

Do not apply Problem Killer on Oxygen Systems or LCD Displays