



POR-15® MARINE CLEAN™ Degreaser

MARINE CLEAN™ - Surface Preparation

Product Description

MARINE-CLEAN™ cleans and degreases in one application without leaving residues, noxious fumes or flammable solvents.

Use MARINE-CLEAN™ for cleaning and degreasing machinery parts, turbine blades, diesel engines, compressors, transformers, bulkheads, deck plates, bilge areas; removal of oily deposits found in closed systems such as air conditioning, boiler tubes, compressor lines, heat exchangers and coils; removal of light distillates, mineral oils, heavy grease, degreasing all metal surfaces, plastics, wood, fiberglass, painted surfaces.

- Biodegradable aqueous cleaning agent
- Low sudsing
- Broad materials and surface compatibility
- Non-corrosive
- Does not contain petroleum or caustic chemicals
- Non-flammable

Typical Applications

Removal of dirt, grease, and soil from components to avoid contamination.

Cosmetic cleaning of components or surfaces after use, disassembly, or for aesthetics.

Pre-paint cleaning and degreasing prior to the application of paint or primer to aid coating adhesion.

Pre-plate cleaning prior to plating, welding, anodizing, or similar surface finishing to aid adhesion of the surface finish.

Pre-bond cleaning prior to the application of an adhesive or sealant to aid in bonding one surface or component to another.

Hydraulic components and bearings that require a high level of cleanliness due to close tolerances and other physical parameters.

Physical Data

APPEARANCE	Clear Liquid
BOILING POINT	212°F / 100°C
MELTING POINT	N/A
VAPOR PRESSURE	N/A
VAPOR DENSITY	N/A
EVAPORATION RATE	> 1
WATER SOLUBILITY	100%
MIXTURE RATIO	Heavy - 1:1 Moderate - 1:5 Light - 1:10

Test Data

Flash Point (ASTM D93)	No Flash Point
Biodegradability (ASTM D2667)	Biodegradable
Specific Gravity (ASTM D891)	1.020
pH Content (ASTM E70)	8.5
Sudsing Test (FED-STD-536)	Low Sudsing

Materials and Surface Compatibilities

STAINLESS STEEL	IRON	ALUMINIUM*
BRONZE & BRASS*	MAGNESIUM	SUPER ALLOYS*
RUBBER COMPOUNDS	FABRICS	THERMO PLASTICS
CARBON & LOW ALLOY STEEL	COPPER	COATED SURFACES
THERMOSET PLASTICS	FIBERGLASS	CONCRETE

*Exposure should be limited to brief periods of time



POR-15 MARINE CLEAN

Application Information

PRODUCT DESCRIPTION:

MARINE-CLEAN™ cleans and degreases in one application without leaving residues, noxious fumes or flammable solvents.

MARINE CLEAN™ is a complex mixture of organic & inorganic chemicals. It is non-toxic, biodegradable, water-based, and has no noxious odors nor chlorinated solvents. It doesn't contain any petroleum products and has no flash point. Marine Clean represents a revolutionary breakthrough in cleaners, degreasers and dispersants.

Use **MARINE-CLEAN™** for cleaning and degreasing machinery parts, turbine blades, diesel engines, compressors, transformers, bulkheads, deck plates, bilge areas; removal of oily deposits found in closed systems such as air conditioning, boiler tubes, compressor lines, heat exchangers and coils; removal of light distillates, mineral oils, heavy grease, degreasing all metal surfaces, plastics, wood, fiberglass, painted surfaces. Always wear eye protection and rubber gloves when using Marine Clean.

FEATURES

- Biodegradable aqueous cleaning agent
- Low sudsing
- Broad materials and surface compatibility
- Non-corrosive
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- Non-flammable

Applications

Pre-paint cleaning and degreasing prior to the application of paint or primer to aid coating adhesion.

Removal of dirt, grease, and soil from components to avoid contamination.

Cosmetic cleaning of components or surfaces after use, disassembly, or for aesthetics.

Pre-plate cleaning prior to plating, welding, anodizing, or similar surface finishing to aid adhesion of the surface finish.

Pre-bond cleaning prior to the application of an adhesive or sealant to aid in bonding one surface or component to another.

Hydraulic components and bearings that require a high level of cleanliness due to close tolerances and other physical parameters.

SHOULD MARINE CLEAN ALWAYS BE DILUTED WITH WATER?

Yes. Marine Clean will actually be more effective if it is diluted at least 1:1 with water.

DOES TEMPERATURE AFFECT THE CLEANING ACTION?

Yes. A hot solution will work better and faster, so dilute with hot water and store Marine Clean indoors.

WHAT DILUTION IS MOST EFFECTIVE?

That depends on the job to be done. 1:1 is best for engine cleaning, removing baked-on oil from cylinder heads, removing gum and varnish from fuel tanks. To clean exterior surfaces of cars or boats, use dilutions beginning at 1 part Marine Clean to 5 parts water through to 10 parts water. Always remember to thoroughly rinse off Marine Clean with water after completing your cleaning job.

HOW FAST WILL MARINE CLEAN DO THE JOB?

That also depends on the job. Baked-on oil may take up to 2 hours of soaking before it can be easily brushed or sponged off; gum and varnish in a gas tank may take 24 hours or more. Hot solution works better.

DOES METAL THAT'S BEEN CLEANED WITH MARINE CLEAN HAVE TO BE TREATED WITH METAL-READY RUST REMOVER/PREPRIMER BEFORE GAS TANK SEALER OR POR-15 RUST PREVENTIVE PAINT CAN BE USED?

Yes. Marine Clean is a powerful caustic solution that leaves an alkaline finish on metal. An acid finish takes paint better because it etches the metal and gives it a surface profile with "tooth" for the topcoat paint to bite into. Our Metal-Ready Rust Remover/Preprimer is the perfect prep to use on any surface that's been cleaned with Marine Clean first.

WHAT ARE OTHER USES FOR MARINE CLEAN?

Cleaning and degreasing of machinery parts, turbine blades, diesel engines, compressors, transformers, bulkheads, deck plates, bilge areas; removal of oily deposits found in closed systems such as: air conditioning, boiler tubes, compressor lines, heat exchangers and coils; removal of light distillates, mineral oils, heavy grease, degreasing all metal surfaces, plastics, wood, fiberglass, painted surfaces. Remember to thoroughly rinse off Marine Clean with water after completing your cleaning job.

ALWAYS WEAR EYE PROTECTION AND RUBBER GLOVES WHEN USING MARINE CLEAN.

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