



WorldWare Enterprises Ltd.

ENVIRONMENTAL BIOSOLUTIONS DIVISION

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DOSING GUIDELINES – EATOILS™ SUPER DEGREASER™ LIQUID SHAKE WELL BEFORE EACH USE

SIZE	EXAMPLE	NOTES	DOSING
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SOLVENT FREE PARTS WASHING (oily, greasy parts)

All sizes of manufacturing plants & repair facilities, automotive repair facilities – usually in a large tank	Production parts, pre-paint degreasing, auto repair parts cleaning, etc. Parts are greasy, to lightly oiled.	Problems with removing oils and residue from parts. Add an aeration line to oxygenate the water in the tank. Air dry to prevent rust.	Dilute at 3:1 to 5:1 with warm water, depending on the amount of degreasing required. Replenish as required at the same dilution. Remove solids regularly.
All sizes of manufacturing plants & repair facilities, automotive repair facilities – aqueous parts washing machine	Production parts, pre-paint degreasing, auto repair parts cleaning, etc. Parts are greasy, to lightly oiled.	Problems with removing oils and residue from parts. Add an aeration line to oxygenate the water in the reservoir. Air dry to prevent rust.	Dilute at 3:1 to 5:1 with warm water, depending on the amount of degreasing required. Replenish as required at the same dilution. Remove solids regularly.

SOLVENT-FREE SURFACE CLEANER/DEGREASER

Industrial, Marine	Windows, workshop, floors, decks, walls, greasy surfaces, garbage pails, etc.	Spray, brush (with a soft bristle brush) and wipe surfaces, rinse as necessary.	2 - 4 oz. per gallon of water
Industrial, Marine	Cleaning garbage collection areas, bilge, painted metal surfaces, concrete areas, etc.	Spray, let sit on tough areas, scrub if necessary, and wipe as needed. Let air dry.	2 - 4 oz. per gallon of water
Commercial	Subways, public restrooms, kennel runs, loading docks	Spray and wipe surfaces; rinse as necessary – re-apply	2 - 4 oz. per gallon of water



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EATOILS™ SUPER DEGREASER™ - FREQUENTLY ASKED QUESTIONS

HOW DO I DEGREASE EQUIPMENT WITH THIS PRODUCT?

Depending on the thickness of the grease involved you can dilute the product with water until you are happy with the degreasing job. Some clients dilute at 3:1 - some at 5:1 - some at 10:1, it all depends upon the desired result – the higher the dilution the easier it is to spray – but the less concentrated it is for tougher cleaning jobs. Many clients use a spray bottle to apply the product to the area that needs cleaning. Just apply the SUPER DEGREASER™, either by painting it on or by spraying it on the surface so it completely covers the grease. Let it stand for a minute or so. Brush the area with a stiff poly brush that won't harm your surface, and watch the grease break away! Spray the area with water to rinse. Wipe away the residue with a damp cloth. This approach works well with painted surfaces, walls, doors, wood, etc. As there are no solvents or VOC's in this product it will not harm most finishes. LAUNDRY HINT: Put your used cloths in the washing machine with other greasy clothing items and add a ¼ cup of SUPER DEGREASER™ and you'll see years of grease and oil stains disappear! For stubborn stains pre spray the stains and allow the load to presoak for an hour or so before washing.

HOW DO I DEAL WITH REALLY TOUGH OLD OIL & GREASE BUILDUP?

Sometimes on really tough buildup you need to 'soften up' the grease before cleaning it. Just apply the SUPER DEGREASER™, either by painting it on or by spraying it on the surface so it completely covers the grease. Let it stand for at least 10 minutes so the grease can begin to break down (time is critical for this product to yield dramatic results – the longer the product is in direct contact with the grease, the more it will remove). Brush the area with a stiff poly brush that won't harm your surface, and watch the grease break away! Wipe away the residue with a damp cloth. Recover your fluids and put them down a sanitary drain and the SUPER DEGREASER™ will continue to clean the hydrocarbons it encounters all the way to the water treatment plant.

HOW DO I WASH PARTS WITH THIS PRODUCT?

Always ensure that the oil on the parts is non-toxic and organic-based so the microbes can digest the contaminants (most cutting fluids and preservative oils are organic). In an aqueous parts washing machine you just clean it out completely, rinse it well to ensure no toxins remain, and add SUPER DEGREASER™ and water to the reservoir at 3:1 – 5:1 depending on the results desired. For optimum results, an aquarium aerator can be added to the tank to keep the microbes working throughout the tank. As parts are cleaned the microbes digest the contaminants and the system can go on for years with only replenishing with product and water as the solution is depleted (some leaves with every part, evaporation, etc.), and occasional sludge (primarily metal filings) removal. For added effectiveness, the microbes in this product love heat – the product increases its activity as the temperature goes up – up to 130° F so you can clean your parts even faster at warmer temperatures. After the initial charging of the tank, the ongoing costs of this approach are usually less expensive than alternative approaches – there is no ongoing charge, no large consumption of cleaner with this process.

WHAT MAKES THIS PRODUCT SAFE FOR MY HANDS AND SKIN?

This product is environmentally safe – there are no solvents, VOC's, harsh chemicals or any other harmful ingredients in this product. It contains a natural surfactant that breaks the bond between the surface and the oil or grease based contaminant. Then there are millions of microbes – the same kind as are in your digestive system (so they are not harmful to you) that attack the grease and oil and break them down resulting in a clean surface for you – with the bonus that your hands and skin stay soft and clean. Note for those who use this product every day, as with every soap product, you should always wash and rinse your hands after each use so you don't develop a sensitivity to the product. Regular use of a moisturizer will also help to prevent dry skin.

HOW DO THE MICROBES IN THE PRODUCT WORK? THIS SEEMS LIKE MAGIC WHERE DOES THE OIL GO?

When the microbes come in contact with hydrocarbons they secrete a series of enzymes that digest the hydrocarbons breaking down the oily messy substance into harmless invisible gasses (hydrogen, oxygen, water vapor) and carbon. The microbes then eat the carbon and breathe it out as carbon dioxide - another harmless invisible gas. In a nutshell here's the magic: you start with an ugly mess - an oily residue from your cleaning, after using our SUPER DEGREASER™ the oil & grease are gone and you replaced them with: 1) invisible, harmless gasses, 2) benign enzymes, and 3) after all the hydrocarbon is gone the microbes die and are recycled in nature.