

infinite
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Clean For A Green World



Parts Washing Solutions

8103-004

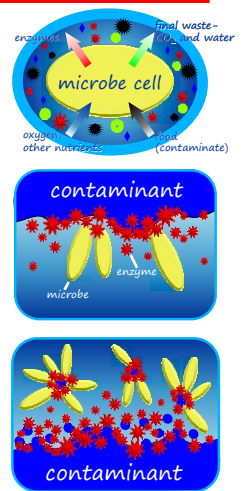
KAS Parts Cleaner Liquid™

Description

- ◆ Heavy-duty, microbe-powered concentrated water-based formula for part cleaning applications.
- ◆ Designed for use with dip tank and ultra-sonic cleaning applications.
- ◆ Degrades a variety of hydrocarbons into carbon dioxide and water.
- ◆ Contains inhibitors for superior corrosion prevention.
- ◆ Safe to use on all metals, rubber, plastic and painted surfaces.
- ◆ No VOC's, non-toxic, non-caustic, non-flammable and non-hazardous.
- ◆ Dilute 20:1 with water.

Technology Profile

Bioremediation is the application of biological treatment to the clean up of hazardous chemicals resulting in the destruction of organic waste, eliminating environmental risk and liability. The process of bioremediation use of microbes, enzymes, oxygen and other nutrients is used to chemically transform hydrocarbons into carbon dioxide and water. The enzymes used in KAS Parts Cleaner-Liquid™ activate oxygen and convert it to a form in which the oxygen atom can be incorporated directly into the hydrocarbon compound thus breaking the long-chain bonds. The enzymes then attract the microbes surrounding the cell surfaces to catalyze the breakdown reactions. As this process is repeated, the hydrocarbon compound is quickly broken down so that the microbes can then readily assimilate these simple hydrocarbons. Once the reaction is complete, the enzyme breaks free to attach to another hydrocarbon source in order to repeat the same reaction. Effectively degrades BTEX, diesel, motor oils, fuel oils, grease, anti-freeze, hydraulic, brake, ATF cuttings fluids as well as animal and vegetable oils



Technical Information

Number of Microbial Strains:	12
Microbial Count:	50 Billion/gram
Microbial Characteristic:	GRAS Listed
Number of Enzyme Species:	7
Enzyme Activity:	6,000 u/mg.
pH Activity Range:	5-11 pH
Appearance:	Amber Liquid
Bioluminescence Test:	Positive
Phosphorous:	None

Usage	Dilution Ratio	1:20
Physical Properties	Appearance	Liquid
	Color	Amber
	Fragrance	None
	pH	8
	Shelf Life	1 Year
Packaging	8103-004	4-1 gal.

Application

Dilute 20:1 with water. For best results heat the solution to 125°F. Agitate for heavy, stubborn hydrocarbon build-up. Replace when the solution becomes ineffective (approximately 30 to 45 days) depending on usage frequency and soil concentration.