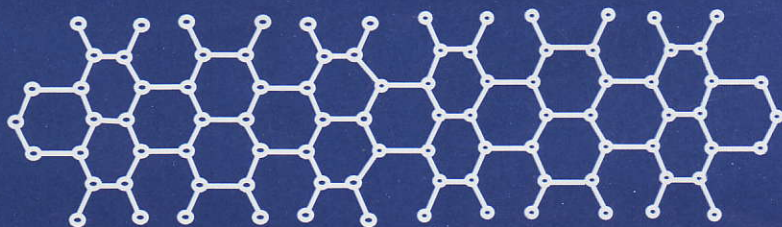


BLUE GOLDTM

INDUSTRIAL CLEANER/DEGREASER



THE PRODUCT

Blue Gold is a liquid, water soluble, eco-friendly biodegradable concentrate used for cleaning and degreasing various components. This single solution compound, used in varying concentrations with water, can replace half a dozen or more other products, many of them hazardous and expensive, which must ordinarily be kept in stock, such as Trichloroethylene, Perchloroethylene, Carbon Tetrachloride, Freons, Acetone, Acids, Caustics etc.

Blue Gold is non-toxic non flammable and non-corrosive. It is rust inhibitive, stable in long time storage and is not damaged by freezing.

Blue Gold also keeps the equipment itself clean and corrosion free, eliminating lime and particle build up on heating coils. Since Blue Gold does not react with oil it removes, the product can be reused with little or no loss in efficiency. On an average, **Blue Gold** has performance life four times greater than the standard cleaning solutions.

Blue Gold disperses oils so there is no sludge build up. When the agitation system is turned off, the oils rise to the surface and can be removed easily, while particles settle to the bottom leaving the solution clean and virtually new.

Performance tests have yielded impressive results. **Blue Gold** cleaner/degreaser outperforms most Caustics, Acids and Solvents, even at reduced operating temperatures. It is safe to use on all Metals both ferrous and non-ferrous. **Blue Gold** does not harm painted / plated surfaces.

Furthermore, **Blue Gold** cleaner/degreaser meets all OSHA requirements and conforms to the most rigid safety and performance standards set by leading Fortune 500 companies of the world.

* Non-toxic * Non-flammable * Non-corrosive * Rust inhibitive
* 99.3% Phosphate free * Meet OSHA requirements

* Blue Gold is registered trade mark of M.C.I., USA.

CLEANING METHODS

Blue Gold can be utilized in a variety of different type of washing systems as long as there is sufficient agitation. Some of the most common methods of cleaning where **Blue Gold** can be effectively used are as follows:

1. Spray Cleaning : From both safety and performance points of view **Blue Gold** is a significant improvement over the caustic powders and solutions commonly used in spray degreasing equipment. At a dilution of 1:30 with DM water, heated to 55°C **Blue Gold** effectively cleans preservative oils, light unpigmented drawing compounds, milling oils and light mill scale from parts. Because of **Blue Gold's** unique abilities, spray nozzles stay clean from contaminate build up.

2. Ultrasonic Cleaning : **Blue Gold** can be used in Ultrasonic Cleaning equipment. A general recommended concentration of **Blue Gold** to D.M water in ultrasonic cleaning is 1:20. For optimum utilization, the temperature of the solution is to be maintained between 55 to 60° C. Components cleaned with 5% **Blue Gold** solution are to be rinsed in hot DM water (temperature preferably 70-80°C) and properly dried.

3. Dip Tank Cleaning: **Blue Gold** can be used by Dip Tank Cleaning method. In this method, it is very important to re-circulate the cleaning solution by of drawing liquid from tank and pumping back into the cleaning tank through a sparger system. Minimum 60% of tank capacity is to be re-circulated per Minute. A general recommended concentration of **Blue Gold** to D.M. water is 1:20. Kindly refer drawing of dip tank cleaning system in which a typical re-circulation system is shown.

Depending upon the process requirements, rinsing / drying may or may not be required.

Blue Gold Cleaner/Degreaser can also replace chlorinated hydrocarbons and other chemicals in vapour degreasing tanks. The same vapour degreasing tanks can be easily converted to **Blue Gold** submersion system. Agitation is a necessity for effective cleaning.

- ★ Highest acclaim for effective cleaning and degreasing
- ★ The single product to solve storage and handling problems
- ★ Eliminates harmful effects to personnel, equipment and products
- ★ Proven operator acceptability

BLUE GOLD TYPICAL PROPERTIES

Color	: Dark Blue	Wetting Time(1 % soln)	: 65 seconds
Odor	: Peppermint	Surface Tension- 4% Aqueous Soln	: 35 dynes/Cm
Total Solids:	: 13.0%	Surface Tension- 1% Aqueous Soln	: 45.6 dynes/Cm
pH (4% soln)	: 11.9	Total Alkalinity As NA ₂ O	: 1.91%
pH (1% soln)	: 11.1	Total phosphates as P	: 0.7%
Hard Water Performance	: 2150(500 ppm CaCO ₃)	Total Carbonates/Bicarbonates as CO ₂	: None
Flash Point	: None (will not burn)	Total Sulphates SO ₄	: None
Cloud Point	: Below minus 5.5°C	Total Borates as B ₂ O ₃	: None
Stability	: 4.5°C stable 60°C Stable	Phenolic Materials	: None
Freeze- Thaw	: Unstable, but reversible on stirring	Chromates / Bicromates	: None
Density	: 1.06 gms/cc at 21°C	Nitrites	: None
Wetting Time (4% soln):	: 10.6 seconds	Amines	: None

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