



NEW DIMENSIONS SUPREME

Alkaline Liquid Cleaner Degreaser
Product Code No. 10007

A HIGHLY CONCENTRATED MILD ALKALINE LIQUID CLEANER/DEGREASER

DESCRIPTION: **NEW DIMENSIONS Supreme** is a concentrated all purpose mildly alkaline cleaner and degreaser.

Supreme helps to eliminate high disposal costs and problems.

Supreme can be used over and over in the same solution effectively.

Supreme eliminates highly dangerous vapor systems.

Supreme makes water "wetter", penetrate deeper, emulsifies and suspends dirt and soil quicker, safer and easier.

Supreme is free rinsing and therefore, leaves no film or residue.

After cleaning with Supreme, the surface is often ready for plating, painting or welding with no additional preparation necessary.

Supreme has a built-in passive inhibitor for short time elimination of oxidation.

FEATURES & BENEFITS:

- Environmentally Safe Liquid
- Contains no chlorinated solvents
- Contains no petroleum distillates
- Non-flammable
- Biodegradable
- USDA approved
- Safe on all surfaces (when used as directed)
- General purpose cleaner
- Free rinsing
- Built-in corrosion inhibitor
- Super Concentrate
- Economical
- Can be used in any type of immersion cleaning equipment or one-shot off-line spray cleaning
- Effective in hot or cold solutions
- Degreaser replacement

APPLICATIONS : Supreme is an excellent replacement for vapor degreasers and other ozone depleting cleaning agents. It can be used in soak cleaning tanks, parts washers (mechanical and ultrasonic) or manually with tanks, power scrubbers or spray bottle.

Supreme is safe on steel, chrome, cadmium, bronze, iron, nickel, copper, stainless steel, lead, brass and most alloys. Completely safe on aluminum when used as directed. Also safe on rubber, neoprene, nylon and glass. Safe on painted surfaces when diluted 1 to 5 or more with water.

Supreme is effective in both hot and cold solutions. Cleaning efficiency is increased with agitation (mechanical, ultrasonic, heat). Although it is difficult to recommend an exact cleaning cycle prior to specific application testing, the following cycles can be used as a guideline.

Heavy Degreasing

10-35% b/v
140°-180°F

Heavy oils, greases,
drawing compounds,
metal working lubricants

General Cleaning

5-10% b/v
Ambient - 150°F

Salts, oils, grease

Soak Cleaning

2-5%
140°-160°F

Light oils, grease,
drawing compounds,
general manufacturing soils

Heavy degreasing with Supreme should employ temperature and/or mechanical agitation to remove soil from the immersed part. When cleaning heavy grease, caked-on soils or parts with difficult geometries, the use of ultrasonic energy will aid in the cleaning process.

For general cleaning, Supreme can be used in hot or cold solutions. Aluminum, steel cast iron and most other metals can be cleaned in the same concentrations of Supreme without etching the aluminum.

In most applications rinsing of the part is required to remove any remaining contaminants and residual cleaning solution.

For every type of cleaning there is a proper solution concentration and immersion time for using Supreme. Because it is safe on any washable surface, and is totally water soluble, you should experiment with different concentrations and dwell times. Some method of agitation and heat will always give quicker results.

**PHYSICAL
DATA:**

Ozone depletion potential:	zero
Density:	9.01 lb/gal
Specific gravity:	1.080
Freezing point:	32°F (0°C)
Solubility in water:	Complete
Color:	Blue
Odor:	Mild
Form:	Liquid
pH:	12.8 (concentrate)
Flash point:	N/A

Also read carefully warning and safety information on the Material Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency directory assistance Chemtrec 1-800-424-9300.

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Notwithstanding the foregoing, if products are supplied in response to a customer request that specifies operating parameters beyond those stated above, or if products are used under conditions exceeding said parameters, the customer by acceptance or use thereof assumes all risk of product failure and of all direct, indirect and consequential damages that may result from use of the products under conditions, and agrees to exonerate, indemnify and hold harmless

MacDermid Incorporated therefrom. No suggestion for product use nor anything contained herein shall be construed as a recommendation to use any product in infringement of any patent rights, and seller and manufacturer assume no responsibility or liability for any such infringement.

CONTROL:

A hand-held refractometer is the recommended method for analysis of Supreme. A refractometer calibrated in °BRIX with a range of 0 to 10° is suitable. The refractometer reading times 5.5 will give an approximate of the concentration.

$$\% \text{ Supreme} = (\text{Refractometer Reading}) \times 5.5$$

Wet analysis of Supreme is as follows:

Indicator - methyl orange
dissolve 1 gram methyl orange into 1,000 mL
deionized water

Titrant - 0.5N sulfuric acid

1. 25 mL sample of working solution (be careful not to collect any oils, greases from surface)
2. Add 50 mL deionized water
3. Add 10 drops of methyl orange indicator
4. Titrate sample with 0.5N acid to pink end point
5. $\% \text{ ND 7 b/v} = \text{mL of 0.5N acid} \times 3.1$

An automatic control system is also available for continuous analysis and replenishment. Contact your MacDermid representative for additional details.

**SAFETY &
WARNING :**

MacDermid Inc. recommends that the company/operator read and review the MacDermid Materials Safety Data Sheets for the appropriate health and safety warnings before use.

Material Safety Data Sheets are available from MacDermid Incorporated.

**WASTE
DISPOSAL :**

Prior to using any recommendations or suggestions by MacDermid Inc. for waste treatment, the user is required to know the appropriate local/state/federal regulations for on-site or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

In order to separate greasy, oily contaminants from a used Supreme emulsion, the pH of the spent solution should be dropped to between 6.5-7.5 with muriatic acid (consult your supplier for proper handling and treatment procedures) and allowed to sit in a still tank for up to 36 hours.

After the material has been released and has risen to the surface, it can be skimmed from the top. The oily waste material can then be drained off and disposed of as hazardous waste. The spent cleaning solution can then be disposed of through an effluent waste water disposal system.

**ORDER
INFORMATION:**

<u>Product</u>	<u>Product Code</u>	<u>Container</u>
NEW DIMENSIONS Supreme	10007	330 gal tote 55 gal drum 5 gal pail