



GREEN THUNDER™

GREEN THUNDER™ is an environmentally-safe, all-purpose cleaner and degreaser that can be used neat or diluted in water. **GREEN THUNDER™** works like a solvent and cleans a wide variety of soils including oil, grease, dirt, coolant residues, fingerprints, and more. **GREEN THUNDER™** can be used on machines, walls, floors, tile, engines and throughout plants and shops for virtually any cleaning application including parts cleaning dip tanks.

PROPERTIES

Concentrate Appearance	Clear green fluid
Dilution Appearance	Light green fluid
Odor	Sassafras-type
pH @ 10%	9.5 ± 0.2
Specific Gravity @ 60°F (H ₂ O = 1)	1.03
Density @ 60°F (H ₂ O)	8.5
Foaming	950 mls/> 5 minutes
Biodegradable	Yes
Rinsability	Excellent
Metal Compatibility	Safe on All Metals

APPLICATION & USAGE DATA

Concentration (May vary depending on severity of soils)	Spray Bottle - Neat to 10:1 Mop and Pail - 2 to 4 oz./gal. Floor Scrubber - 2 to 4 oz./gal. Dip Tanks - Neat to 10:1
Temperature	Ambient to 180°F
Time	As Required

BENEFITS OF GREEN THUNDER™

- ✓ Works Like a Solvent Without the Hazards
- ✓ Non-abrasive
- ✓ Non-carcinogenic
- ✓ Completely Water Soluble
- ✓ Flexible Dilution Range
- ✓ Non-ozone Depleting
- ✓ USDA Approved
- ✓ Non-flammable
- ✓ Biodegradable
- ✓ Non-irritating, Operator Friendly
- ✓ Free rinsing/No Residues
- ✓ Safe on All Metals
- ✓ Environmentally Safe

CONCENTRATION CONTROL PROCEDURES

Alkalinity Procedure

1. Measure 50 mls of the product to be tested into a beaker.
2. Add 5 to 7 drops of methyl-orange indicator to the sample.
3. Titrate slowly with standard acid solution (1.0 N Sulfuric Acid) until the first noticeable color change (this is the end point).
4. To calculate concentration of GREEN THUNDER™ use the following:

$$\text{mls of titrant} \times 1.67 = \% \text{ GREEN THUNDER}^{\text{TM}}$$

A/O Refractometer Readings

2%	0.2
5%	1.1
10%	2.2
20%	4.4
50%	10.4

DISPOSABILITY

Initial dilutions of GREEN THUNDER™ are biodegradable. However, if fluids during service become contaminated with non-biodegradable materials, they should be removed prior to disposal in accordance with local, state and federal requirements.

STORAGE AND HANDLING

GREEN THUNDER™ can be stored either indoors or outdoors. If outdoor storage is used, the product should be brought to room temperature prior to use. When GREEN THUNDER™ is used for the purposes intended it is non-irritating and non-toxic. It is NOT for internal consumption. GREEN THUNDER™ is a mildly alkaline cleaner. Protective garments should be provided for users of this product, (gloves, aprons, safety glasses with side shields, etc.). Store at room temperature away from acids.

PACKAGING

This product is available in 5 gallon pails, 55 gallon drums or in bulk quantities.

ADDITIONAL INFORMATION

A Material Safety Data sheet for this product is available upon request. Purchasers of this product are urged to review and retain this information. For additional information, evaluation samples or price quotations, please contact:

May 9, 1996

CHEMICAL TECHNOLOGIES INCORPORATED

1610 Clara St. • Jackson, MI 49203 • (517) 782-8262