

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Name: **Thermo Surface Cleaner**
Number: Not-regulated
Class: Not-regulated
MSDS Revision Date: 05/28/98
Effective Date: 03/01/98

Thermo Manufacturing
301 Walnut Springs Road
Lindale, TX 75771
(903) 881-8771
Contact: Fred Kunz
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II. HAZARDOUS INGREDIENTS

Ingredient / CAS #	TLV:	PEL:	Percent:
Glycol Ether EB / 111-76-2	25ppm	50ppm	1-10
Surfactant / 127087-87-0			< 5
Sodium Metasilicate / 6834-92-0			1-10
Phosphate Ester / 51811-79-1			< 5

III. PHYSICAL DATA

Boiling Point: 212° F minimum
Maximum V.O.C.: .4-.6 lbs/gal
Vapor Pressure: Similar to water
Vapor Density: Similar to water
Solubility in Water: Complete
Weight per Gallon: 8.8-9.0 lbs
Volatile Volume: 93-95%
Solid by Weight: 5-7%

IV. FIRE & EXPLOSION HAZARD DATA

DOT: None
Flash Point: None to Boiling / TTC
Unusual Fire / Explosion Hazard: Low hazard to heat & flame. Can react with oxidizing agents
Extinguishing Media: Water fog, CO2 drychem, foam
UEL: 10.6%
LEL: 1.1%
Explosion Hazard: None
Special Fire Fighting Procedures: Protective clothing, Use SCBA, Avoid Oxidizing agents

V. HEALTH HAZARD DATA

Effects of Over Exposure: Headache, Nausea, Skin irritation
Medical Conditions: N/A
Primary Route(s) of Entry: Skin contact, inhalation
Emergency First Aid: Move person to fresh air. Apply artificial respiration if needed, Wash skin with water. Wash eyes with water for 15 minutes. Call a physician

VI. REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur.
Hazardous Decomposition: CO, CO2, unidentified organic comp.
Conditions to Avoid: Strong base and salts at elevated temperatures, aluminum surfaces
Incompatibility: Strong oxidants

VII. SPILL / LEAK PROCEDURES

Material Released: Extinguish all sources of ignition, contain and absorb
Waste Disposal Method: Comply with local code

VIII. SAFE HANDLING / USE INFORMATION

Hygienic Practices: Clean skin with water. Do not use solvents
Respiratory Protection: None required
Ventilation: Use supplied air system if vapor concentration exceeds TLV.
Protective Gloves: Recommended, not required.
Eye Protection: Safety glasses
Other Protective Equipment: None

IX. SPECIAL PRECAUTIONS

Handling/ Storage: Keep storage container closed. Avoid flames, flammable materials.

X. TRANSPORTATION DATA

Shipping Name: All Purpose Cleaner.
Labeling: N/A
Labeling Required: N/A
Hazard Class: Non-combustible liquid
D.O.T.: Not-regulated

This product is not classified as a carcinogen by the National Toxicology Program, Occupational Safety and Health Administration or the International Agency for Research on Cancer. Material has a moderate toxicity to aquatic organisms.

Inert ingredient(s) may be considered highly alkaline. Significant releases of the product could have an adverse impact in pH levels of aquatic systems.

Comments: Excessive inhalation exposure may cause upper respiratory irritation. Direct ingestion may cause nausea, vomiting or diarrhea. Aspiration during ingestion could result in lung injury.

Hazardous Materials Identification Systems (HMIS)
Health: 1
Flammability: 1
Reactivity: 0
Personal Protective Equipment: A

Thermo Manufacturing Systems, LLC

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