



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2223407/2182905	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	THUNDERBOLT HD	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Heavy-Duty Industrial Cleaner/Degreaser	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION:
SKIN CORROSION/IRRITATION - Category 1B

SIGNAL WORD:
DANGER

SYMBOL:



HAZARD STATEMENTS:

Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS:

Prevention: Do not breathe dust/fume/gas/mist/vapors/spray.

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF

INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/international regulations.

INGREDIENTS OF UNKNOWN TOXICITY:

0%

HAZARDS NOT OTHERWISE CLASSIFIED:

No data available.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
2-Butoxyethanol	111-76-2	10%
Sodium Metasilicate Pentahydrate	6634-92-0	2%
Potassium hydroxide	1310-58-3	4%

Occupational exposure limits, if available, are listed in Section 8.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash (or discard) clothing and shoes before reuse.

INHALATION:

If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION:

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SUITABLE EXTINGUISHING MEDIA:

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

UNSUITABLE EXTINGUISHING MEDIA:

N/A

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

5. Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA:

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

UNSUITABLE EXTINGUISHING MEDIA:

N/A

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

LARGE SPILLS: Stop leak at source and collect into suitable container, then treat as a small spill.

SMALL SPILLS: Absorb with an inert solid and scoop up for disposal, then rinse soiled area with water.

7. Handling and Storage

STORAGE:

Store in a cool dry place. Keep container closed when not in use.

HANDLING:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Follow all SDS/label precautions even after container is emptied because they may retain product residues.

8. Exposure Controls / Personal Protection**OCCUPATIONAL EXPOSURE LIMITS:**

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
2-Butoxyethanol	25 ppm (skin)	N/A	N/A
Sodium Metasilicate Pentahydrate	10 mg/m ³ TWA	N/A	N/A
Potassium hydroxide	0	N/A	N/A

PERSONAL PROTECTIVE EQUIPMENT: Goggles, Gloves, Apron



Eye/Face Protection: Safety glasses or goggles.

Skin Protection: Nitrile or polyethylene gloves and aprons. Do not use cotton.

Respiratory Protection: Not available.

Ventilation: Positive down-draft exhaust ventilation should be provided to maintain vapor concentration below TLV.

9. Physical & Chemical Properties

Physical State:	Liquid.	Flammability:	N/A
Color:	Red/Clear.	FP Method:	N/A
Odor:	Solvent.	Density lbs/Gal:	N/A
Odor Threshold:	Unknown.	Pounds per Cubic Foot:	N/A
pH:	12.5-13.5	Vapor Density:	Unknown.
Melting Point:	N/A	Vapor Pressure:	Unknown.
Boiling Point:	212°F	Solubility (water):	Complete.
Boiling Range:	N/A	Auto-Ignition Temp:	N/A
Viscosity:	N/A	Decomposition Temp:	N/A
Flash Point:	N/A	Partition Coeff(n-octanol/water):	N/A
Specific Gravity:	1.01	VOC%:	N/A
LEL:	N/A	Evaporation Rate:	N/A
UEL:	N/A		

10. Stability & Reactivity Information**CHEMICAL STABILITY:**

Stable.

CONDITIONS TO AVOID:

Temperature extremes.

INCOMPATIBILITY:

Chlorine Bleach, Oxidizers, Acids

HAZARDOUS DECOMPOSITION PRODUCTS:

Will not occur.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. Toxicological Information**TOXICOLOGICAL INFORMATION****PRIMARY ROUTE(S) OF ENTRY:**

Skin contact /absorption and inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

Gastrointestinal irritation (nausea, vomiting, diarrhea), irritation to nose, throat and respiratory tract.

TARGET ORGAN EFFECTS:

None expected.

IMMEDIATE HEALTH EFFECTS:

EYES: Corrosive. Exposure will cause noticeable pain, and severe irritation and transient corneal injury.

SKIN: Corrosive. Causes chemical burns. Harmful contact may not cause immediate pain. Ethylene glycol monobutyl ether and 2-aminoethanol may be absorbed through the skin.

INHALATION: Exposure to vapor or mist is possible. Short term inhalation is not likely to cause harmful effects: breathing large amounts may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits.

INGESTION: Harmful or fatal if swallowed. Causes chemical burns to the mouth, throat and stomach.

REPRODUCTIVE / DEVELOPMENTAL INFORMATION:

No data.

CARCINOGENIC INFORMATION:

This material is not listed as a carcinogen by IARC, NTP or OSHA

LONG TERM EFFECTS:

No data.

12. Ecological Information

No data available.

13. Disposal Consideration

WASTE DISPOSAL METHOD:

For proper disposal of waste, refer to federal and state regulations.

14. Transportation Information

DOT: UN Number: UN1760
UN Proper Shipping Name: Corrosive Liquid, N.O.S.
DOT Classification: 8 - Corrosive
Packing Group: III

OTHER SHIPPING INFORMATION:

All products offered for domestic ground transportation that meet the following exceptions for Class 8 (Corrosive Materials) will be packaged and shipped as "Limited Quantity". (1)For Corrosive Materials in Packaging Group II, inner packaging not over 1.0 L (0.3 Gallon) net capacity each for liquids not over 1.0 kg (2.2 lbs) net capacity each for solids, packed in a strong outer packaging with a gross weight of 66 lbs or less. (2)For Corrosive Materials in Packaging Group III, inner packaging not over 5.0 L (1.3 Gallons) net capacity for each liquids or not over 5.0 kg (11 lbs) net capacity each for solids, packed in a strong outer packaging with a gross package weight of 66 lbs or less.

15. Regulatory Information**US FEDERAL REGULATIONS:**

TSCA (Toxic Substances Control Act) Status

TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 355 Appendix A: None.

SARA 302 Components 40 CFR Appendix A: None.

Section 311/312 Hazard Class 40 CFR 370.2

Immediate (X) Delayed (X) Fire () Reactivity () Sudden Release of Pressure ()

SARA 313 Components - 40 CFR 372.65

STATE AND LOCAL REGULATIONS:

California Proposition 65: None.

California SCAQMD Rule 443.1 VOC's: < 100g/L

North Carolina Administrative Code 2D.1104 and 2B.0610: None.

South Carolina Regulation 62.5 Standard Number 8: None.

16. Other Information**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.