



SAFETY DATA SHEET

1. Product and Company Identification			
PRODUCT NUMBER:	1582	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	AMPED-UP	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Aerosol Battery Terminal Cleaner	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification				
GHS CLASSIFICATION: Flammable Aerosol: Category 1 Liquefied Gas Eye Irritant: Category 2b	SIGNAL WORD: DANGER	SYMBOL:		
HAZARD STATEMENTS: Extremely Flammable Aerosol Contains gas under pressure; May explode if heated. Causes eye irritation. This product contains the following percentage of chemicals of unknown toxicity: 0%				
PRECAUTIONARY STATEMENTS: Prevention: Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized Container: Do not pierce or burn, even after use. Wash hands thoroughly after handling. Response: IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.				
HAZARDS NOT OTHERWISE SPECIFIED: Not applicable.				

3. Composition / Information on Ingredients		
Chemical Name	CAS	Concentration % by Weight
2-Butoxyethanol	111-76-2	1-5%
Propane/n-Butane	68476-86-8	5-10%
Isopropyl Alcohol	67-63-0	1-5%

4. First Aid Measures
EMERGENCY OVERVIEW
EYES: Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists.
SKIN: Wash thoroughly with soap and water. Seek medical attention if irritation develops.
INHALATION: Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.
INGESTION: Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Seek immediate medical attention.
ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision.
CHRONIC HEALTH HAZARDS: None known.
NOTE TO PHYSICIAN: There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-Fighting Measures
SUITABLE FIRE EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water spray for cooling.
UNSUITABLE FIRE EXTINGUISHING MEDIA: Not applicable.
SPECIFIC FIRE-FIGHTING METHODS: Wear NIOSH approved Self-Contained Breathing Apparatus with a full-face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid breathing smoke, fumes and decomposition products. Cool fire exposed containers with water fog to prevent bursting.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.
HAZARDOUS COMBUSTION PRODUCTS: Not applicable.

6. Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT:

Refer to section VIII for proper Personal Protective Equipment.

SPILL: Absorb spill with non-combustible material such as vermiculite, sand or earth.

WASTE DISPOSAL:

Dispose of in accordance with federal, state and local regulations.

RCRA STATUS:

Product should be fully characterized prior to disposal (40 CFR 261).

7. Handling and Storage

HANDLING AND STORAGE:

Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS:

Keep out of the reach of children.

INCOMPATIBILITY:

Strong acids, strong alkalis, strong oxidizing agents.

8. Exposure Controls / Personal Protection

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
2-Butoxyethanol	50 ppm	20 ppm
Propane/n-Butane	1000 ppm	1000 ppm
Isopropyl Alcohol	500 ppm	400 ppm

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Safety glasses

Respiratory Protection: Not required under normal use. If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

General Hygiene Considerations: Wash hands thoroughly after handling.

APPROPRIATE ENGINEERING CONTROLS:

General ventilation and local exhaust recommended.

9. Physical & Chemical Properties

Appearance:	Orange Foam.	Flammability(solid/gas):	Extremely Flammable Aerosol.
Odor:	Slight Ammonia odor.	Flammability Limit-lower (%):	Not determined.
Odor Threshold:	Not determined.	Flammability Limit-upper (%):	Not determined.
pH:	10.8	Vapor Density (AIR=1):	< 1
Freezing Point:	< 32°F (0°C)	Vapor Pressure (mm Hg):	17.5 @ 77°F (25°C)
Boiling Point:	> 212°F (100°C)	Solubility (water):	100%
Viscosity:	Not determined.	Auto-Ignition Temp:	Not determined.
Flash Point:	Not determined.	Decomposition Temp:	Not determined.
Specific Gravity (H2O=1):	1.00 @ 77°F (25°C)	Partition Coeff(n-octanol/water):	Not determined.
Evaporation Rate:	< 1	Volatility Including Water (%):	>80%
Solids (%):	Not determined.	Volatile Organic Compounds (VOC):	16%
Dielectric Strength (Volts):	Not applicable.		

10. Stability & Reactivity Information

REACTIVITY:

Chemically active metals and acids.

CHEMICAL STABILITY:

Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

None known.

CONDITIONS TO AVOID:

Temperatures greater than 122°F and sources of ignition.

INCOMPATIBLE MATERIALS:

Strong acids, strong alkalis, strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon.

11. Toxicological Information

TOXICOLOGICAL INFORMATION:

2-Butoxyethanol (111-76-2) LD50 (Oral, Rat) 470 mg/kg; LC50 (Inhalation, Rat, 4hr) 450 ppm; LD50 (Dermal, Rabbit) 220 mg/kg

Isopropyl Alcohol (67-63-0) LD50 (Oral,Rat) 5045 mg/kg; LD50 (Oral, Rabbit) 5045 mg/kg; LD50 (Dermal, Rabbit) 12,800 mg/kg; LC50 (Inhalation, Rat, 8hr) 16,000 ppm

PRIMARY ROUTE OF ENTRY: Eyes, Ingestion, Inhalation, Skin

Eyes: Causes mild irritation.

Skin: May cause mild irritation, dryness with prolonged or repeated contact.

Inhalation: Irritant. Avoid breathing spray mist. May cause irritation to respiratory tract.

Ingestion: May cause gastrointestinal irritation, abdominal cramps.
MEDICAL CONDITION AGGRAVATED:
None known.
ACUTE TOXICITY:
Eyes: redness, tearing, blurred vision
CHRONIC HEALTH HAZARDS:
None known.
CARCINOGENICITY:
OSHA: No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** No

12. Ecological Information

ECOLOGICAL INFORMATION:
Isopropyl Alcohol (67-63-0) LC50 (Fathead Minnow, 96 hrs) 100,000 mg/L
BIODEGRADABILITY:
This product is biodegradable.
BIOACCUMULATION:
This product is not expected to bioaccumulate.
SOIL MOBILITY:
This product is mobile in soil.
OTHER ECOLOGICAL HAZARDS:
None known.

13. Disposal Consideration

WASTE DISPOSAL:
Dispose of in accordance with federal, state and local regulations.
RCRA STATUS:
Product should be fully characterized prior to disposal (40 CFR 261).

14. Transportation Information

DOT: **UN Number:** UN1950
UN Proper Shipping Name: Aerosols, Ltd. Qty.
Transport Hazard Class(es):
Class: 2.1
Packing Group: Not applicable.
IATA: **UN Number:** UN1950
UN Proper Shipping Name: Aerosols, Ltd. Qty.
Transport Hazard Class(es):
Class: 2.1
IMDG: **UN Number:** UN1950
UN Proper Shipping Name: Aerosols, Ltd. Qty.
Transport Hazard Class(es):
Class: 2.1
ENVIRONMENTAL HAZARDS WATER:
Not applicable.

15. Regulatory Information

TSCA STATUS:
All Chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):
None.
SARA 311/312 HAZARD CATEGORIES:
None.
SARA 313 REPORTABLE INGREDIENTS:
2-Butoxyethanol (111-76-2)
CLEAN WATER ACT:
None.
STATE REGULATIONS:
California Proposition 65: None.
INTERNATIONAL REGULATIONS:
2-Butoxyethanol (111-76-2) Europe (EINECS), Japan (ENCS), Australia (AICS), WHMIS (Canada), DSCL (EEC), NDSL, Korea (ECL), Philippines (PICCS), New Zealand (NZIOC), China (IECS).

16. Other Information

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