



Serving Our Customers Since 1975

SAFETY DATA SHEET

Issue Date: 19 October 2015

Revision Date: 19 October 2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: **PRO BAT**

Product Description: **BATTERY TERMINAL CLEANER**

Other Means of Identification

Product # 185
Synonyms None

Details of the Supplier of the Safety Data Sheet

Company Name CHEMCO INDUSTRIES, INC.
5731 Manchester Avenue
St. Louis, MO 63110
www.chemcoindustries.com
314-647-1888
1-800-854-4236 (to Reorder)

Emergency Telephone Number

Emergency Telephone INFOTRAC 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification (GHS-US)

Flam. Liq. 4 H227
Eye Irrit. 2A H319

*Full text of H-phrases: see section 16

GHS-US Labeling

Hazard pictograms (GHS-US):



Signal Word (GHS-US): Warning

Hazard Statements (GHS-US):

Combustible liquid
Causes serious eye irritation

Precautionary statements (GHS-US):

Keep away from heat, hot surfaces, open flames, sparks. - No smoking.
Wash thoroughly after handling
Wear eye protection, protective gloves, protective clothing.
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 advice/attention.
In case of fire: Use Water fog., dry extinguishing powder, carbon dioxide (CO2) to extinguish
Store in a well-ventilated place. Keep cool
Dispose of contents/container to comply with local/regional/national/international regulations.

Other hazards:

Other hazards not contributing to the classification: Pressurized container: may burst if heated.

Unknown acute toxicity (GHS-US): Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Not applicable

*Full text of H-phrases: see section 16

Mixture:

Name	Product identifier	%	Classification (GHS-US)
AQUA	(CAS No) 7732-18-5	54-95	Not classified
Butane	(CAS No) 106-97-8	2-4	Flam. Gas 1, H220
SODIUM BICARBONATE	(CAS No) 144-55-8	2-3	Not classified
Glycol Ether EB	(CAS No) 111-76-2	1-2	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT RE 2, H373 Aps. Tox. 1, H304
Propane	(CAS No) 74-98-6	1-2	Flam. Gas 1, H220 Compressed gas, H280
Isobutane	(CAS No) 75-28-5	1-2	Not classified

4. FIRST AID MEASURES

Description of first aid measures:

First-aid measures general:

If you feel unwell, seek medical advice (show the label where possible)

First-aid measures after inhalation:

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact:

Remove/Take off immediately all contaminated clothing. Brush off loose particles from skin. Wash immediately with lots of water. Take victim to a doctor if irritation persists. Wash contaminated clothing before reuse.

First-aid measures after eye contact:

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion:

Rinse mouth with water. Do NOT induce vomiting. Immediately call a poison center or doctor/physician. Vomiting: prevent asphyxia/aspiration pneumonia.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries:

Causes serious eye irritation.

Symptoms/injuries after inhalation:

None under normal use.

Symptoms/injuries after skin contact:

Contact during a long period may cause light irritation.

Symptoms/injuries after eye contact:

Causes serious eye irritation.

Symptoms/injuries after ingestion:

Gastrointestinal complaints.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media:

Water fog. Dry chemical powder. Carbon dioxide.

Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium.

Special hazards arising from the substance or mixture:

Fire hazard:

Under fire conditions closed containers may rupture or explode.

Explosion hazard:

Contains gas under pressure; may explode if heated.

Reactivity:

Upon combustion: CO and CO₂ are formed.

Advice for firefighters:

Firefighting instructions:

Eliminate all ignition sources if safe to do so. Evacuate area. Use water spray or fog containers.

Protection during firefighting:

Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

General measures:

Eliminate every possible source of ignition. Stay upwind/keep distance from source.

For non-emergency personnel:

Protective equipment: Do not enter without an appropriate protective equipment.

Emergency procedures: Do not breathe vapors.

For emergency responders:

Protective equipment: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection.

Emergency procedures: Stop leak if safe to do so. Stop release. Ventilate area.

Environmental precautions:

Prevent entry to sewers and public waters.

Methods and material for containment and clean up:**For containment:** Dam up the liquid spill.**Reference to other sections:**

No additional information available.

7. HANDLING AND STORAGE**Precautions for safe handling:****Additional hazards when processed:****Precautions for safe handling:**

Pressurized container: Do not pierce or burn, even after use.

Do not breathe vapors. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, open flames or other sources of ignition. Do not get in eyes, on skin, or on clothing. Ensure good ventilation of the work station. Keep container tightly closed. Observe normal hygiene standards.

Hygiene measures:

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

Conditions for safe storage, including any incompatibilities:**Technical measures:**

Comply with applicable regulations. Do not puncture, incinerate or crush. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage conditions:

Do not expose to temperatures exceeding 50 C/122 F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use.

Heat-ignition:

KEEP SUBSTANCE AWAY FROM: ignition sources. heat sources

Storage area:

Meet the legal requirements. Keep out of direct sunlight. Store in a cool area.

Special rules on packaging:

Keep only in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters:**

Butane (106-97-8)		
ACGIH	ACGIH TWA (ppm)	1000 ppm
ACGIH	ACGIH STEL (ppm)	1000 ppm
Glycol Ether EB (111-76-2)		
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr
Propane (74-98-6)		
ACGIH	ACGIH TWA (ppm)	1000 ppm
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
Isobutane (75-28-5)		
ACGIH	ACGIH STEL (ppm)	1000 ppm

Exposure controls:**Appropriate engineering controls:**

Ensure good ventilation of the work station.

Personal protective equipment:

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties:**

Physical state	Liquid
Appearance	Aerosol.
Odor	Mild odor

Odor threshold	No data available
pH	8.75
Melting point	No data available
Freezing point	No data available
Boiling point	< 212 F
Flash point	>200 F
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 C	No data available
Specific gravity/density	1 g/ml
Solubility	Soluble in water.
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
VOC content	8.9%

10. STABILITY AND REACTIVITY

Reactivity:

Upon combustion: CO and CO₂ are formed.

Chemical stability:

The product is stable at normal handling and storage conditions.

Possibility of hazardous reactions:

Hazardous polymerization does not occur.

Conditions to avoid:

Aerosol containers are unstable at temperatures above 49 C. Avoid temperatures exceeding the flash point.

Incompatible materials:

No additional information available.

Hazardous decomposition products:

No additional information available.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:

Not classified.

Glycol Ether EB (111-76-2)	
LD50 oral rat	1300 mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE CLP (oral)	1300.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (dust, mist)	1.5 mg/l/4h
SODIUM BICARBONATE (144-55-8)	
LD50 oral rat	> 4000 mg/kg
LC50 inhalation rat (mg/l)	> 4.74 mg/l

Skin corrosion/irritation:

Not classified

pH: 8.75

Serious eye damage/irritation:

Causes serious eye irritation.

pH: 8.75

Respiratory or skin sensitization: Not classified.
Germ cell mutagenicity: Not classified.
Carcinogenicity: Not classified

Glycol Ether EB (111-76-2)	
IARC group	3 - Not Classifiable

Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Not classified

Glycol Ether EB (111-76-2)	
LOAEL (oral,rat,90 days)	69 mg/kg bodyweight/day Target organ: liver
NOAEL (dermal,rat/rabbit;90 days)	150 mg/kg bodyweight/day

Aspiration hazard: Not classified
Symptoms/injuries after inhalation: None under normal use.
Symptoms/injuries after skin contact: Contact during a long period may cause light irritation.
Symptoms/injuries after eye contact: Causes serious eye irritation.
Symptoms/injuries after ingestion: Gastrointestinal complaints.

12. ECOLOGICAL INFORMATION

Toxicity:

Glycol Ether EB (111-76-2)	
LC50 fish 1	1474 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	100 mg/l Water flea
ErC50 (algae)	1840 mg/l Pseudokirchneriella subcapitata
NOEC chronic fish	> 100 mg/l
NOEC chronic crustacea	100 mg/l daphnid
SODIUM BICARBONATE (144-55-8)	
LC50 fish 1	7700 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	4100 mg/l Daphnia magna
LC50 fish 2	7100 mg/l Lepomis macrochirus

Persistence and degradability:
 No additional information available.

Bioaccumulative potential:
 No additional information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:
Waste disposal recommendations: Dispose of contents/container to comply with local/national regulations.
Additional information: Do not re-use empty containers.

14. TRANSPORT INFORMATION

Department of Transportation (DOT)

Additional information:
Other information: This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.306.

ADR:
 No additional information available.

Transport by sea:
 No additional information available.

Air Transport:
 No additional information available.

15. REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Ethylene Glycol Monobutyl Ether	111-76-2	1-2
Butane (106-97-8)		
Not listed on SARA Section 313 (Specific toxic chemical listings)		
Propane (74-98-6)		
Not listed on SARA Section 313 (Specific toxic chemical listings)		

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the State of California to cause cancer and /or reproductive toxicity.

16. OTHER INFORMATION

Training advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Compressed gas	Gases under pressure Compressed gas
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Gas 1	Flammable gases Category 1
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H220	Extremely flammable gas
H227	Combustible liquid
H280	Contains gas under pressure; may explode if heated
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H373	May cause damage to organs through prolonged or repeated exposure.

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard: 1 - Must be preheated before ignition can occur.
NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendee or users assume all risks associated with the use of this material.