





SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1284801	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	Guard All	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Battery Terminal Protectant	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 Gases Under Pressure: Liquefied Gas Skin Irritant: Category 2 Specific Target Organ Toxicity (Single Exposure): Category 3	SIGNAL WORD: DANGER	SYMBOL:			
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HAZARD STATEMENTS: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. This product contains the following percentage of chemicals of unknown toxicity: N/A

PRECAUTIONARY STATEMENTS:

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. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash before reuse. Avoid breathing mist, vapors or spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Dispose of contents and container in accordance with local, state and federal regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

Not available.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Heptane	142-82-5	30-40%
Petroleum gases, liquefied, sweetened	68476-86-8	30-40%

4. First Aid Measures

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 or attention.

INGESTION:
Rinse mouth out with water. Do not induce vomiting unless directed by medical authority. Keep head below hips if vomiting occurs. Seek immediate medical attention. Aspiration hazard. Never give anything by mouth to an unconscious person.

INHALATION:
Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

SKIN:
Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

ACUTE HEALTH HAZARDS:
Contact with eyes may cause irritation, redness, tearing. Causes skin irritation. Inhalation of vapors or mists may cause irritation of respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

CHRONIC HEALTH HAZARDS:
Prolonged inhalation may be harmful.

NOTE TO PHYSICIAN:
Treatment of overexposure should be directed at the control of symptoms and the clinical condition. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. Fire-Fighting Measures

FIRE EXTINGUISHING MEDIA:
Dry chemical, foam or carbon dioxide.

UNSUITABLE EXTINGUISHING MEDIA:
Water jets or streams.

SPECIAL FIRE FIGHTING PROCEDURES:
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. Shut off all sources of ignition. Use water spray to disperse vapor and cool fire exposed containers. Prevent run off from entering streams, sewers, or drinking water supply.

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXTREMELY FLAMMABLE.

Contents under pressure. Exposure to temperatures above 120 °F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition. Vapors are heavier than air and can accumulate in low areas. Vapors may travel considerable distance to a source of ignition and flash back.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, various hydrocarbons.

6. Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL:

Eliminate all sources of ignition. Clean up using rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains, and natural waterways. Place waste in proper containers for disposal.

WASTE DISPOSAL:

Dispose of in accordance with local, state, and federal regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.

RCRA STATUS:

Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

7. Handling and Storage**HANDLING AND STORAGE:**

Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Do not use or store with strong oxidizers. Store in a cool, dry area. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling.

OTHER PRECAUTIONS:

Keep out of the reach of children. Aspiration hazard if swallowed. Can enter lungs and cause damage. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not taste or swallow. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

INCOMPATIBILITY: Strong oxidizing agents.

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

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Heptane	500 ppm	400 ppm
Propane/n-Butane	Not Established	1000 ppm

PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face Protection: Safety glasses/goggles

Skin Protection: Chemical resistant gloves

Respiratory Protection: If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

ENGINEERING CONTROLS / VENTILATION:

Use only outdoors or in a well-ventilated area.

RESPIRATORY PROTECTION:

If exposure levels are exceeded, then organic vapor cartridge respirator or SCBA will be needed.

PERSONAL PROTECTIVE EQUIPMENT:

Safety glasses/goggles and chemical resistant gloves.

ADDITIONAL MEASURES:

Wear protective clothing to prevent repeated or prolonged contact with product. If clothing becomes contaminated, immediately remove and wash. Avoid breathing spray. Wash hands thoroughly after handling.

9. Physical & Chemical Properties

Appearance:	Red Spray	Flammability(solid/gas):	Extremely Flammable Aerosol
Physical State:	Liquid	Flammability Limit-lower (%):	Not Determined
Form:	Spray	Flammability Limit-upper (%):	Not Determined
Color:	Red	Explosive Limit-Lower (%):	Not Determined
Odor:	Heptane	Explosive Limit-Upper (%):	Not Determined
Odor Threshold:	Not Determined	Vapor Density:	Not Determined
pH:	Not Determined	Vapor Pressure:	Not Determined
Melting/Freezing Point:	Not Determined	Relative Density:	0.70 - 0.80 @ 77 °F (25 °C)
Initial Boiling Point/Range:	Not Determined	Solubility (water):	Not Determined
Viscosity:	Not Determined	Auto-Ignition Temp:	Not Determined
Flash Point:	Not Determined	Decomposition Temp:	Not Determined
Evaporation Rate:	> 3 (Fast)	Partition Coeff(n-octanol/water):	Not Determined

10. Stability & Reactivity Information

REACTIVITY: None known.

CHEMICAL STABILITY: Stable.

POSSIBLE HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: Temperatures greater than 122 °F and sources of ignition. Avoid incompatibles.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, sulfur, and calcium.

11. Toxicological Information

TOXICOLOGICAL INFORMATION:

Heptane (142-82-5): LD₅₀ (Oral, Rat) > 15000 mg/kg; LD₅₀ (Dermal, Rabbit) > 3160 mg/kg; LC₅₀ (Inhalation, Rat, 4h) 103 mg/L. **Propane** (74-98-6): LC₅₀ (Inhalation, Rat, 4h) 658 mg/L. **n-Butane** (106-97-8): LC₅₀ (Inhalation, Rat, 4h) 30957 mg/m³.

ROUTES OF ENTRY:

Eyes, Inhalation, Skin

EYES:

May cause irritation, redness, tearing.

INGESTION:

Not a likely route of exposure under normal product handling conditions. Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia or edema.

INHALATION:

May cause respiratory tract irritation, dizziness, headaches, nausea, unconsciousness, central nervous system (CNS) depression.

SKIN:

Causes irritation.

MEDICAL CONDITION AGGRAVATED:

Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

ACUTE HEALTH HAZARDS:

Contact with eyes may cause irritation, redness, tearing. Causes skin irritation. Inhalation of vapors or mists may cause irritation of respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

CHRONIC HEALTH HAZARDS:

Prolonged inhalation may be harmful.

CARCINOGENICITY: OSHA: No **ACGIH:** No **NTP:** No **IARC:** 3 - Not classifiable **OTHER:** N/A

12. Ecological Information

ECOTOXICITY:

This material is toxic to aquatic life. **n-Heptane** (142-82-5): EC₅₀ (*Daphnia magna*, 48h) 1.50 mg/L.

PERSISTENCE AND DEGRADABILITY:

N/D

BIOACCUMULATIVE POTENTIAL:

Components in this mixture can bioaccumulate in aquatic organisms.

MOBILITY IN SOIL:

This product is not mobile in soil.

OTHER ADVERSE EFFECTS:

None known.

13. Disposal Consideration

WASTE DISPOSAL:

Dispose of in accordance with local, state, and federal regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.

RCRA STATUS:

Waste likely considered D001 (Ignitable waste), under RCRA, however 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.

Special Precautions for User: Read safety instructions, SDS and emergency procedures before handling.

IATA: **UN Number:** UN1950

UN Proper Shipping Name: Aerosols, flammable.

Transport Hazard Class(es):

Class: 2.1

Packing Group: Not applicable.

Special Precautions for User: Read safety instructions, SDS and emergency procedures before handling.

Other Information:

Passenger and Cargo Aircraft:

Cargo Aircraft Only:

IMDG: **UN Number:** UN1950

UN Proper Shipping Name: Aerosols.

Transport Hazard Class(es):

Class: 2.1

Packing Group: Not applicable.

ENVIRONMENTAL HAZARDS WATER: Marine Pollutant

15. Regulatory Information

US FEDERAL REGULATIONS:

All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA STATUS:

All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

None.

SARA 311/312 HAZARD CATEGORIES:

Flammable (gases, aerosols, liquids, solids). Gas under pressure. Skin corrosion or irritation. Specific target organ toxicity (single or repeated exposure). Aspiration hazard.

SARA 313 REPORTABLE INGREDIENTS:

This product does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

STATE REGULATIONS:

California Proposition 65: This product contains no known chemicals regulated by California Proposition 65. Heptane (142-82-5): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, IL, MA, NJ, PA, RI.

INTERNATIONAL REGULATIONS:

Listed or exempt from listing/notification on the following chemical inventories: Australian Inventory of Industrial Chemicals (AIIC, Australia); Domestic Substances List (DSL, Canada); Inventory of Existing Chemical Substances in China (IECSC, China); Existing and New Chemical Substances (ENCS, Japan); Korean Existing Chemicals Inventory (KECI, Korea); Philippine Inventory of Chemicals and Chemical Substances (PICCS, Philippines).

VOLATILE ORGANIC COMPOUNDS (VOC): 84.3%

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.