



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1208001	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	PROTECT-O-SHIELD	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Metal 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	SIGNAL WORD: WARNING	SYMBOL:		
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HAZARD STATEMENTS:

Flammable aerosol. Contains gas under pressure; may explode if heated. This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS:

Prevention: Keep away from heat, sparks, open flames or 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.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

HAZARDS NOT OTHERWISE CLASSIFIED: N/A

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Carbon dioxide	124-38-9	1-3%
Distillates (petroleum), hydrotreated light	64742-47-8	45-55%

4. First Aid Measures

EMERGENCY OVERVIEW

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.

SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. 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:

Not a likely exposure route. If a large quantity of liquid is swallowed, do not induce vomiting, call a physician or poison control center.

ACUTE HEALTH HAZARDS:

Eyes: redness, tearing, blurred vision.

Skin: defatting and dermatitis.

Inhalation: Irritation.

Oral: abdominal irritation, nausea, vomiting, and diarrhea.

CHRONIC HEALTH HAZARDS:

Repeated or prolonged contact may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis.

NOTE TO PHYSICIAN:

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. There is no specific treatment regimen. Treatment of overexposure should be directed toward the control of symptoms and the clinical condition of the patient.

5. Fire-Fighting Measures

EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, foam and water fog.

UNSUITABLE EXTINGUISHING MEDIA:

Water spray/stream.

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. Use water spray only to cool exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

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. Cool containers with water spray.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon

6. Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT:

Refer to section VIII for proper Personal Protective Equipment.

SPILL: Use non-combustible material like vermiculite, sand or earth on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

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:

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 cool, dry, ventilated area.

OTHER PRECAUTIONS:

Keep out of the reach of children.

INCOMPATIBILITY:

None known.

8. Exposure Controls / Personal Protection

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Carbon dioxide	5000 ppm	5000 ppm
Distillates (petroleum), hydrotreated light	Not Established	200 mg/m ³

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles and chemical resistant gloves.



Eye/Face Protection: Safety glasses/goggles

Skin Protection: Chemical resistant gloves.

Respiratory Protection: Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.

ENGINEERING CONTROLS / VENTILATION:

Use only outdoors or in a well-ventilated area.

ADDITIONAL MEASURES:

Wash hands thoroughly after handling.

9. Physical & Chemical Properties

Appearance:	Milky tan liquid.	Flammability(solid/gas):	Flammable aerosol.
Odor:	Oily.	Flammability Limit-lower (%):	Not determined.
Odor Threshold:	Not determined.	Flammability Limit-upper (%):	Not determined.
pH:	Not applicable.	Explosive Limit-Lower (%):	Not determined.
Melting/Freezing Point:	Not determined.	Explosive Limit-Upper (%):	Not determined.
Initial Boiling Point/Range:	Not determined.	Vapor Density (AIR=1):	Not determined.
Viscosity:	Not determined.	Vapor Pressure (mm Hg):	Not determined.
Evaporation Rate:	Not determined.	Relative Density (H2O=1):	0.83 - 0.86 g/ml @ 77°F (25°C)
Auto-Ignition Temperature:	Not determined.	Solubility (ies):	0%
Decomposition Temperature:	Not determined.	Partition Coefficient (n-octanol/water)(Kow):	Not determined.

10. Stability & Reactivity Information

REACTIVITY:

None known.

CHEMICAL STABILITY:

Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

None known.

CONDITIONS TO AVOID:

Temperatures greater than 122°F (50°C) and sources of ignition.

INCOMPATIBLE MATERIALS:

None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon.

11. Toxicological Information

TOXICOLOGICAL INFORMATION:

Distillates (petroleum), hydrotreated light (64742-47-8): LD50 (Oral, Rat) 5 g/kg; LD50 (Dermal, Rabbit) 2 g/kg; LC50 (Inhalation, Rat, 4h) 5 mg/L.

Carbon dioxide (124-38-9): LC50 (Inhalation, Rat, 30m) 470,000 ppm.

ROUTES OF ENTRY:

Eyes, Ingestion, Inhalation, Skin

EYES: Causes irritation, burning, redness, tearing.

INGESTION: May cause gastrointestinal irritation, nausea, diarrhea, vomiting, abdominal cramps.

INHALATION: Unlikely due to low vapor pressure. Mist may cause respiratory tract irritation, headache.

SKIN: May cause mild irritation, localized defatting, repeated prolonged contact may cause allergic reaction in some individuals.
MEDICAL CONDITION AGGRAVATED:
May aggravate existing dermatitis.
ACUTE HEALTH HAZARDS:
Eyes: Redness, tearing, blurred vision.
Skin: Defatting and dermatitis.
Inhalation: Irritation.
Oral: Abdominal irritation, nausea, vomiting, and diarrhea.
CHRONIC HEALTH HAZARDS:
Repeated or prolonged contact may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis.
CARCINOGENICITY: OSHA: **NO** ACGIH: **NO** NTP: **NO** IARC: **NO** OTHER: **N/A**

12. Ecological Information

ECOTOXICITY:
Distillates (petroleum), hydrotreated light (64742-47-8): LC50 (Daphnia, 48h) > 1000 mg/L; EC50 (Algae, 72h) >1000 mg/L.
PERSISTENCE AND DEGRADABILITY:
This product is biodegradable.
BIOACCUMULATIVE POTENTIAL:
This product is not expected to bioaccumulate.
MOBILITY IN SOIL:
No additional information available.
OTHER ADVERSE EFFECTS:
An environmental hazard cannot be excluded in the event of improper handling or disposal.

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: **Proper Shipping Name:** Aerosols, Ltd. Qty.
Hazard Class/Division: 2.1
UN/NA Number: UN1950
Packing Group: N/A
IATA: **AIR SHIPMENT**
Proper Shipping Name: Aerosols, flammable.
Hazard Class/Division: 2.1
UN/NA Number: UN1950
Packing Group: N/A
IMDG: **SHIPPING BY WATER: VESSEL (IMO/IMDG)**
Proper Shipping Name: Aerosols
Hazard Class/Division: 2.1
UN/NA Number: UN1950
Packing Group: N/A
ENVIRONMENTAL HAZARDS WATER: N/A

15. Regulatory Information

TSCA STATUS: All chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None.
SARA 311/312 HAZARD CATEGORIES: Fire 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: None.
INTERNATIONAL REGULATIONS:
No information available.
VOLATILE ORGANIC COMPOUNDS (VOC): 15.19%

16. Other Information

N/A = Not Applicable; N/D = Not Determined
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.