

PROTECT-O-COAT #1302601

AEROSOL METAL PARTS PROTECTOR



Features:

- Prevents rust and corrosion
- Meets Mil Spec C-16173D, Grade 4 and C83933A
- Contains no chlorinated or fluorinated solvents
- Weldable – Paintable

Description:

Protect-O-Coat is a flexible, weldable, metal parts protector. When applied, it will prevent rust and corrosion on all metal parts. Apply to machined parts, dies, pipe threads, casting, tools, jigs and stamped metal parts. Prevents corrosion due to salt spray on cables, hoists, pulleys, winches and riggings. Effective in protecting metal parts on boats, ships and dock equipment. Affords long term protection for indoor or outdoor storage. Excellent for protecting materials while in transit. This product is USDA authorized. A 2 or 3 mil coating will provide indefinite protection for indoor storage and 6 months to 1 year protection for outdoor storage. A 5 or 6 mil coating will protect materials for up to 2 years in outdoor storage. Film is a transparent amber, easy to see through. Can be removed by washing with kerosene or mineral spirits. Once removed, parts can be painted.

Picture Coming Soon

Applications:

- Tools
- Castings
- Riggings
- Pipe Thread
- Pulleys
- Heavy Equipment
- Metal Parts
- Hoists
- Oil Rigs
- Dies
- Cables
- Pipeyards

Product Characteristics:

Appearance:	Hazy, Dark Brown Spray
Odor:	Petroleum Solvent
Viscosity:	Not Determined
Evaporation Rate:	Not Determined
Vapor Pressure:	Not Established
Solubility(ies):	0%
Relative Density:	0.79-0.81 @ 77° F
Flash Point:	Not Determined
pH:	Not Available
Toxicity:	500 ppm OSHA TLV
Wetting Ability:	Good
Flash Point:	150°F TCC
Biodegradability:	Yes
Storage:	Keep away from heat, sparks, open flames and hot surfaces. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122 °F. Store in a well-ventilated place.
Transport Information:	
UN Number:	UN1950
Proper Shipping Name:	Aerosols, Ltd. Qty.
Class:	2.1
Packing Group:	Not Available

Directions:

Product is most effective when parts are clean and free of rust, scale or dirt. However, product will afford adequate protection when applied over rust, scale and dirt, and will aid in removal later.

Remove protective cap. Point opening in spray tip towards part to be coated. Holding can 8 to 10 inches from part, spray 2 or 3 mil coat with a slow sweeping motion. Completely wet surface. For extremely severe conditions, wait 5 minutes and apply another coat. Product will completely set up in 2 hours. Once the film is hard, part can be handled. Dust and dirt can be wiped off without affecting film.

Pictograms:



Signal Word:

DANGER.

Personal Protective Equipment Required:



DOT Placard:

Not available.

VOC Compliant:

Yes.



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1302601	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	Protect-O-Coat - New Formula	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Aerosol Metal Parts 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 Aspiration Hazard: Category 1 Carcinogenicity: Category 1 Germ Cell Mutagenicity: Category 1B	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. May cause cancer. May cause genetic defects.

This product contains the following percentage of chemicals of unknown toxicity: 0%

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. Take off contaminated clothing and wash before reuse. Wear protective gloves and eye protection. If on skin, wash with plenty of water. If skin irritation occurs, get medical advice/attention. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice or attention. Dispose of container in accordance with Federal, State and local regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

No additional information available.

3. Composition / Information on Ingredients

HAZARDOUS INGREDIENT	CAS NUMBER	Concentration % by Weight
Heptane	142-82-5	10-15%
Hydrotreated naphtha, heavy	64742-48-9	15-25%
Propane/n-Butane	68476-86-8	20-30%

Trade Secret Information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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:
If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice or attention.

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.

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

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision
Skin: defatting and dermatitis
Inhalation: Anesthetic, irritation, Central Nervous System depression
Oral: abdominal irritation, nausea, vomiting, diarrhea, aspiration risk

CHRONIC HEALTH HAZARDS:
Repeated or prolonged exposure may be toxic to brain, lungs and central nervous system (CNS).

NOTE TO PHYSICIAN:
If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. Fire-Fighting Measures

EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, and alcohol foam.

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: EXTREMELY FLAMMABLE.

Contents under pressure. Exposure to temperatures above 120 °F may cause bursting.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon.

6. Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT:

Refer to section 8 for proper Personal Protective Equipment.

SPILL:

Remove any source of ignition. Use non-sparking tools and equipment. Use absorbent 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.

OTHER PRECAUTIONS:

Keep out of the reach of children.

INCOMPATIBILITY:

Certain plastics

8. Exposure Controls / Personal Protection

OCCUPATIONAL EXPOSURE LIMITS:

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Heptane	500 ppm	400 ppm
Hydrotreated naphtha, heavy	Not Established	300 ppm
Propane/n-Butane	1000 ppm	1000 ppm

ENGINEERING CONTROLS / VENTILATION: Use only outdoors or in a well-ventilated area.

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

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

ADDITIONAL MEASURES: Wash hands thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT:



9. Physical & Chemical Properties

Appearance:	Hazy, Dark Brown Spray	Flammability(solid/gas):	Extremely flammable aerosol.
Color:	Dark Brown	Flammability Limit-lower (%):	Not Determined
Odor:	Hydrocarbon	Flammability Limit-upper (%):	Not Determined
Odor Threshold:	Not Determined	Explosive Limit-Lower (%):	Not Determined
pH:	Not Applicable	Explosive Limit-Upper (%):	Not Determined
Evaporation Rate:	Not Determined	Vapor Density:	Not Determined
Partition Coeff(n-octanol/water):	Not Determined	Vapor Pressure:	Not Established
Melting/Freezing Point:	Not Determined	Relative Density:	0.79-0.81 @ 77° F
Initial Boiling Point/Range:	Not Determined	Solubility (water):	0%
Viscosity:	Not Determined	Auto-Ignition Temp:	Not Determined
Flash Point:	Not Determined	Decomposition Temp:	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 (50 °C) and sources of ignition.

INCOMPATIBLE MATERIALS: Certain plastics

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

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.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes irritation, burning, redness, tearing.

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

INHALATION: May cause respiratory tract irritation, nausea, vomiting.

SKIN: May cause mild irritation, localized defatting, repeated prolonged contact may cause allergic reaction in some individuals.

MEDICAL CONDITION AGGRAVATED:

Pre-existing disorders of skin, lung, and heart

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

Inhalation: Anesthetic, irritation, Central Nervous System depression

Oral: abdominal irritation, nausea, vomiting, diarrhea, aspiration risk

CHRONIC HEALTH HAZARDS:

Repeated or prolonged exposure may be toxic to brain, lungs and central nervous system (CNS).

CARCINOGENICITY: OSHA: Yes **ACGIH:** No **NTP:** 2 - Anticipated

IARC: 2B - Possibly carcinogenic to humans **OTHER:** CA Prop 65

12. Ecological Information**ECOTOXICITY:**

Not established.

PERSISTENCE AND DEGRADABILITY:

This product is biodegradable.

BIOACCUMULATIVE POTENTIAL:

This product is not expected to bioaccumulate.

MOBILITY IN SOIL:

This product is mobile in soil.

OTHER ADVERSE EFFECTS:

This material is toxic to aquatic life.

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

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, flammable.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A

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: Marine Pollutant.

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: WARNING:

This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

INTERNATIONAL REGULATIONS:

The components of this product are listed on the chemical inventories of the following countries: Australia, Canada, China, Europe (EINECS), Japan, Korea, Philippines.

VOLATILE ORGANIC COMPOUNDS (VOC): 75.2%

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.

Protect-O-Coat is a flexible, weldable, metal parts protector. When applied, it will prevent rust and corrosion on all metal parts. Apply to machined parts, dies, pipe threads, casting, tools, jigs and stamped metal parts. Prevents corrosion due to salt spray on cables, hoists, pulleys, winches and riggings. Effective in protecting metal parts on boats, ships and dock equipment. Affords long term protection for indoor or outdoor storage. Excellent for protecting materials while in transit. This product is USDA authorized.

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DIRECTIONS: Product is most effective when parts are clean and free of rust, scale or dirt. However, product will afford adequate protection when applied over rust, scale and dirt, and will aid in removal later. Remove protective cap. Point opening in spray tip towards part to be coated. Holding can 8 to 10 inches from part, spray 2 or 3 mil coat with a slow sweeping motion. Completely wet surface. For extremely severe conditions, wait 5 minutes and apply another coat. Product will completely set up in 2 hours. Once the film is hard, part can be handled. Dust and dirt can be wiped off without affecting film.

MODO DE EMPLEO: Este producto es más efectivo cuando las partes están limpias y libres de óxido o suciedad. Sin embargo el producto puede brindar adecuada protección cuando se aplica sobre óxido y suciedad y ayuda a removerlo. Remueva la capa protectora. Apunte la abertura hacia la parte que se va a cubrir. Sostenga el bote de 8 a 10 pulgadas de la pieza y rocíe una capa de .002 a .003 pulgada con un movimiento lento de lado a lado. Humedezca la superficie por completo. Para condiciones extremas, espere 5 minutos y aplique otra capa. El producto se endurecerá en 2 horas. Una vez endurecido, se puede manejar la pieza. El polvo y suciedad se puede limpiar sin afetar la capa.

DANGER: 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. May cause cancer. May cause genetic defects. 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. Take off contaminated clothing and wash before reuse. Wear protective gloves and eye protection. If on skin, wash with plenty of water. If skin irritation occurs, get medical advice/attention. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice or attention. Dispose of container in accordance with Federal, State and local regulations.



PELIGRO: Aerosol extremadamente inflamable. Contiene gas bajo presión; puede explotar si se calienta. Provoca irritación de la piel. Puede causar somnolencia o mareos. Puede ser mortal en caso de ingestión y penetración en las vías respiratorias. Puede causar cáncer. Puede causar defectos genéticos. Mantener alejado del calor, chispas, llamas abiertas y superficies calientes. -No fumar. No rocíe sobre una llama abierta u otra fuente de ignición. Envase a presión: No perforar ni quemar, incluso después de su uso. Proteger de la luz solar. No exponer a temperaturas superiores a 50°C/122°F. Almacenar en un lugar bien ventilado. Lávese bien las manos después de manipular. Quite la ropa contaminada y lávela antes de reusarla. Utilice guantes protectores y protección para los ojos. Si entra en contacto con la piel, lavar con abundante agua. Si se produce irritación de la piel, busque atención o asesoramiento médico. Evite respirar nieblas, vapores o aerosoles. Úselo únicamente al aire libre o en un área bien ventilada. Si se inhala: Lleve a la persona al aire libre y manténgala cómoda para respirar. Llame a un centro de intoxicaciones o a un médico si no se siente bien. Si se ingiere: Llame inmediatamente a un centro de intoxicaciones o a un médico. No induzca el vomito. Obtenga instrucciones especiales antes de su uso. No lo manipule hasta que se hayan leído y comprendido todas las precauciones de seguridad. Si está expuesto o preocupado: busque atención o asesoramiento médico. Deseche el contenedor de acuerdo con las regulaciones federales, estatales y locales.

CONTAINS (CAS#): Metal protection fluid (proprietary mixture), Propane/n-butane (68476-86-8), Hydrotreated naphtha, heavy (64742-48-9), Heptane (142-82-5).



WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

ADVERTENCIA: Cáncer y daños reproductivos – www.P65Warnings.ca.gov.

An Exclusive Product of
PRO CHEM, INC.

1475 Bluegrass Lakes Parkway
Alpharetta, GA 30004
procheminc.com
1-800-241-8180



MADE IN THE
U.S.A

**PRO
CHEM**®

PROTECT-O-COAT

**METAL PARTS
PROTECTOR**

**PREVENTS RUST & CORROSION
WELDABLE**

**MEETS MIL SPEC C-16173D,
GRADE 4 & C83933A**

**CONTAINS NO CHLORINATED OR
FLUORINATED SOLVENTS**

DANGER/PELIGRO:

**EXTREMELY FLAMMABLE AEROSOL. CONTAINS
GAS UNDER PRESSURE; MAY EXPLODE IF HEATED.
AEROSOL EXTREMADAMENTE INFLAMABLE.
CONTIENE GAS A PRESIÓN;
PUEDE EXPLOTAR SI SE CALIENTA.**

**NET WT.
12.5 OZ. (354 g)**

600009345

Scan for Product
Info/SDS
1302601

