



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	270401	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	EXTREME	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Anti-seize and Lubricating Compound	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: OSHA/HCS Status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. Classification of the substance or mixture: Not classified.	SIGNAL WORD: No signal word.	SYMBOL: None.
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HAZARD STATEMENTS:

No known significant effects or critical hazards.

PRECAUTIONARY STATEMENTS:

Prevention: Not applicable.

Response: Not applicable.

Storage: Not applicable.

Disposal: Not applicable.

HAZARDS NOT OTHERWISE SPECIFIED:

None known.

ADDITIONAL INFORMATION:

Not applicable.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Aluminum powder (stabilized)	≥1 - ≤3	7429-90-5

Substance/mixture: Mixture

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

SKIN: Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

INHALATION:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

INGESTION:

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

POTENTIAL ACUTE HEALTH EFFECTS:

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

OVER-EXPOSURE SIGNS/SYMPTOMS:

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

Notes to Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatments: No specific treatment.

Protection of First-aiders: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Use dry chemical, CO₂ or foam.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

None known.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No specific fire or explosion hazard.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
metal oxide/oxides

SPECIFIC PROTECTIVE ACTIONS FOR FIREFIGHTERS:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

FOR NON-EMERGENCY PERSONNEL:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

FOR EMERGENCY RESPONDERS:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

ENVIRONMENTAL PRECAUTIONS:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Small Spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large Spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and Storage

SAFE HANDLING:

PROTECTIVE MEASURES:

Put on appropriate personal protective equipment (see Section 8).

ADVICE ON GENERAL OCCUPATIONAL HYGIENE:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

8. Exposure Controls / Personal Protection

OCCUPATIONAL EXPOSURE LIMITS:

Chemical Identity	Exposure Limits
Aluminium powder (stabilized)	NIOSH REL (United States, 10/2013). TWA: 5 mg/m ³ 10 hours. Form: Respirable fraction TWA: 10 mg/m ³ 10 hours. Form: Total OSHA PEL (United States, 6/2016). TWA: 5 mg/m ³ , (as Al) 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ , (as Al) 8 hours. Form: Total dust ACGIH TLV (United States, 3/2016). TWA: 1 mg/m ³ 8 hours. Form: Respirable fraction

APPROPRIATE ENGINEERING:

Good general ventilation should be sufficient to control worker exposure to airborne controls contaminants.

ENVIRONMENTAL EXPOSURE:

Emissions from ventilation or work process equipment should be checked to ensure controls they comply with the requirements of environmental protection legislation.

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin Protection:

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

General Hygiene Considerations: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical & Chemical Properties

Physical State:	Solid. [Semi-solid.]	Flammability (solid, gas):	Not available.
Color:	Soft aluminum.	Lower and upper explosive (flammable) limits:	Not available.
Odor:	Petroleum	Vapor Density:	Not available.
Odor Threshold:	Not available.	Vapor Pressure:	Not available.
pH:	Not available.	Relative Density:	1.1 g/ml
Melting Point:	Not available.	Solubility:	Insoluble in the following materials: cold water and hot water.
Boiling Point:	Not available.	Auto-Ignition Temp:	Not available.
Viscosity:	Not available.	Decomposition Temp:	Not available.
Flash Point:	Open cup: 221.11°C (430°F) [Cleveland.]	Partition Coeff(n-octanol/water):	Not available.
Evaporation Rate:	Not available.	Flow time (ISO 2431):	Not available.

10. Stability & Reactivity Information**REACTIVITY:**

No specific test data related to reactivity available for this product or its ingredients.

CHEMICAL STABILITY:

The product is stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

Under normal conditions of storage and use, hazardous reactions will not occur.

CONDITIONS TO AVOID:

Do not heat above flash point.

INCOMPATIBLE MATERIALS:

Reactive or incompatible with the following materials: oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information**INFORMATION ON TOXICOLOGICAL EFFECTS****ACUTE TOXICITY:**

There is no data available.

IRRITATION/CORROSION:

There is no data available.

SENSITIZATION:

There is no data available.

MUTAGENICITY:

There is no data available.

CARCINOGENICITY:**CLASSIFICATION:**

PRODUCT/INGREDIENT NAME	OSHA	IARC	NTP
Crystalline silica, respirable powder	-	1	Known to be a human carcinogen.

REPRODUCTIVE TOXICITY:

There is no data available.

TERATOGENICITY:

There is no data available.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):

There is no data available.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

Name	Category	Target organs
Crystalline silica, respirable powder	Category 1	respiratory tract

ASPIRATION HAZARD:

There is no data available.

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE: Ingestion.**POTENTIAL ACUTE HEALTH EFFECTS**

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.
Skin Contact: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

SHORT TERM EXPOSURE:

Potential Immediate Effects: No known significant effects or critical hazards.
Potential Delayed Effects: No known significant effects or critical hazards.

LONG TERM EXPOSURE:

Potential Immediate Effects: No known significant effects or critical hazards.
Potential Delayed Effects: No known significant effects or critical hazards.

POTENTIAL CHRONIC HEALTH EFFECTS:

General: No known significant effects or critical hazards.
Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Teratogenicity: No known significant effects or critical hazards.
Developmental Effects: No known significant effects or critical hazards.
Fertility Effects: No known significant effects or critical hazards.

NUMERICAL MEASURES OF TOXICITY

ACUTE TOXICITY ESTIMATES:

ROUTE	ATE VALUE
Oral	133485.2 mg/kg

12. Ecological Information

TOXICITY:

Product/ingredient name	Result	Species	Exposure
Aluminum powder (stabilized)	Acute LC50 38000 µg/L	Daphnia - Daphnia magna	48 hours
	Chronic NOEC 9 mg/L Fresh water	Aquatic plants - Ceratophyllum demersum	3 days

PERSISTENCE AND DEGRADABILITY:

There is no data available.

BIOACCUMULATIVE POTENTIAL:

There is no data available.

MOBILITY IN SOIL:

Soil/water partition coefficient (KOC): Not available.
Other adverse effects: No known significant effects or critical hazards.

13. Disposal Consideration

DISPOSAL METHODS:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transportation Information

DOT: UN Number: Not regulated.
UN Proper Shipping Name: -
Transport Hazard Class(es):
Class: -
Packing Group: -
Environmental Hazards: No.

IATA: UN Number: Not regulated.
UN Proper Shipping Name: -
Transport Hazard Class(es):
Class: -
Packing Group: -
Environmental Hazards: No.

IMDG: UN Number: Not regulated.
UN Proper Shipping Name: -
Transport Hazard Class(es):
Class: -
Packing Group: -
Environmental Hazards: No.

SPECIAL PRECAUTIONS FOR USER: TRANSPORT WITHIN USER'S PREMISES: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. Regulatory Information

This product does not dry or produce dust under normal use. Since the product is in paste/grease form, the risk of exposure to dust is minimal or non-existent and the related hazard statements are therefore not shown in this SDS even if some hazardous ingredients are listed in this Section for other regulatory requirements.

U.S. FEDERAL REGULATIONS:

TSCA 8(a) CDR Exempt/Partial exemption: Not determined.

TSCA 12(b) one-time export: None of the components are listed.

TSCA 12(b) annual export notification: None of the components are listed.

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed.

Clean Air Act Section 602 Class I Substances: Not listed.

Clean Air Act Section 602 Class II Substances: Not listed.

DEA List I Chemicals (Precursor Chemicals): Not listed.

DEA List II Chemicals (Essential Chemicals): Not listed.

SARA 302/304

COMPOSITION/INFORMATION ON INGREDIENTS:

No products were found.

SARA 304 RQ: Not applicable.

SARA 311/312

Classification: Not applicable.

COMPOSITION/INFORMATION ON INGREDIENTS:

Name	Classification
Crystalline silica, respirable powder	CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) (inhalation) - Category 1

SARA 313

	Product name	CAS number
Form R – Reporting requirements	Aluminum powder (stabilized)	7429-90-5
Form R – Reporting requirements	Aluminum powder (stabilized)	7429-90-5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

STATE REGULATIONS:

Massachusetts: The following components are listed: Distillates (petroleum), solvent-refined heavy naphthenic; Distillates (petroleum), hydrotreated light naphthenic; Limestone; Hydrous magnesium silicate; Aluminium powder (stabilized); Natural Graphite

New York: None of the components are listed.

New Jersey: The following components are listed: Distillates (petroleum), solvent-refined heavy naphthenic; Distillates (petroleum), hydrotreated light naphthenic; Limestone; Crystalline silica, respirable powder; Hydrous magnesium silicate; Aluminium powder (stabilized); Natural Graphite; Crystalline silica, amorphous

Pennsylvania: The following components are listed: Limestone; Crystalline silica, respirable powder; Hydrous magnesium silicate; Aluminium powder (stabilized); Natural Graphite; Crystalline silica, amorphous

CALIFORNIA PROP. 65



WARNING: This product can expose you to Crystalline silica, respirable powder, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

INVENTORY LIST

NATIONAL INVENTORY:

Canada: At least one component is not listed in DSL but all such components are listed in NDSL.

China: All components are listed or exempted.

New Zealand: All components are listed or exempted.

Philippines: All components are listed or exempted.

Taiwan: All components are listed or exempted.

Petroleum components contained in this product meet the IP 346 criteria of less than 3 percent DMSO-extractable components.

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.