




SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2701	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	BLUE STAR	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Lubricating Grease	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Not classified.	SIGNAL WORD: WARNING	SYMBOL:	NOT A CONTROLLED  PRODUCT UNDER GHS
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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.

HAZARD STATEMENTS:

Injection under the skin can cause severe injury.
Most damage occurs in the first few hours.
Initial symptoms may be minimal.

PRECAUTIONARY STATEMENTS:

General: Avoid contact with eyes, skin, and clothing. May be harmful if swallowed. **IF IN EYES:** Rinse cautiously with water for several minutes. **IF SWALLOWED:** Do NOT induce vomiting. After handling, always wash hands thoroughly with soap and water. If you feel unwell, seek medical attention and show the label when possible. Keep out of reach of children.

Prevention: Not applicable.

Response: Not applicable.

Storage: Store in a dry place and/or in closed container. Store in accordance with all local, regional, national, and international regulations.

Disposal: Dispose of contents and container in accordance with all local, regional, national, and international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

Injection of petroleum hydrocarbons requires immediate medical attention.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT
Lubricating grease	Not applicable.	
Polymers	Proprietary	1-5

* = Various ** = Mixture *** = Proprietary

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

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. Remove contaminated clothing and shoes. 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. 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: Injection of pressurized hydrocarbons can cause severe permanent tissue damage. Initial symptoms may be minor.

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No specific data.

Skin contact: No specific data.

Ingestion: No specific data.

Inhalation: No specific data.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

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

Specific treatments: Treat symptomatically and supportively.

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

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Use an extinguishing agent suitable for the surrounding fire.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

None known.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Decomposition products may include the following materials: Carbon dioxide, carbon monoxide, sulfur oxides, metal oxide/oxides.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No specific fire or explosion hazard.

SPECIFIC FIRE-FIGHTING METHODS:

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:

Firefighters 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:

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 AND CLEAN-UP METHODS:

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).

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, watercourses, 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:

Put on appropriate personal protective equipment (see Section 8). 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

SAFE STORAGE & 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.

Bulk Storage Conditions: Do not apply heat or flame to stockpiled material. Rotate stock to reduce the potential for hot spots. Do not store with oxidizers. Minimize dust creation by keeping material moist and/or covered.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS:

Occupational exposure limits: None identified.

Engineering Controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, vapor controls, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Safety glasses with side shields. 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 inhalation hazards exist, a full-face respirator may be required instead.

Skin Protection: Chemical-resistant gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 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. 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: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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

APPEARANCE:

Explosive Limit-Lower (%): Not available.

Physical State:	Solid. [Smooth and adhesive]	Explosive Limit-Upper (%):	Not available.
Color:	Blue	VAPOR DENSITY:	>10 [Air = 1]
ODOR:	Mild petroleum odor	VAPOR PRESSURE:	<0.0013 kPa (<0.01 mm Hg) [room temperature]
pH:	Not available.	RELATIVE DENSITY:	Not available.
BOILING POINT:	Not available.	SOLUBILITY (water):	Insoluble in cold water
FLASH POINT (open cup):	>150°C (>302°F) [Estimated]	NGLI GRADE:	2
EVAPORATION RATE:	<1 (n-butyl acetate. = 1)		

10. Stability & Reactivity Information

REACTIVITY:

Not expected to be explosive, self-reactive, self-heating, or an organic peroxide under US GHS definition(s).

CHEMICAL STABILITY:

The product is stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

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

INCOMPATIBLE MATERIALS:

No specific data.

CONDITIONS TO AVOID:

No specific data.

DECOMPOSITION PRODUCTS:

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

11. Toxicological Information

ACUTE TOXICITY:

CHEMICAL NAME	RESULT	SPECIES	DOSE	EXPOSURE
Polymers	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

CONCLUSION/SUMMARY:

Distillates (petroleum), hydrotreated heavy naphthenic: Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects.

IRRITATION/CORROSION

CHEMICAL NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
Polymers	Respiratory - Mild irritant	Human	-	-	-

EYES: No additional information.

SKIN: No additional information.

INHALATION: No additional information.

SENSITIZATION:

Skin: No additional information.

Respiratory: No additional information.

MUTAGENICITY:

Conclusion/Summary: No additional information.

CARCINOGENICITY:

Conclusion/Summary: No additional information.

REPRODUCTIVE TOXICITY:

Conclusion/Summary: No additional information.

TERATOGENICITY:

Conclusion/Summary: No additional information.

SPECIFIC TARGET ORGAN TOXICITY (single exposure):

Not available.

SPECIFIC TARGET ORGAN TOXICITY (repeated exposure):

Not available.

ASPIRATION HAZARD:

Not available.

LIKELY ROUTES OF EXPOSURE:

Dermal.

POTENTIAL ACUTE HEALTH EFFECTS:

Eye contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin contact: Injection of pressurized hydrocarbons can cause severe permanent tissue damage. Initial symptoms may be minor.

Ingestion: No known significant effects or critical hazards.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

Eye contact: No specific data.

Inhalation: No specific data.

Skin contact: No specific data.

Ingestion: No specific data.

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.

12. Ecological Information

TOXICITY:

Conclusion/Summary: Not available.

PERSISTENCE AND DEGRADABILITY:

Conclusion/Summary: Not available.

BIOACCUMULATIVE POTENTIAL:

Not available.

MOBILITY IN SOIL:

Soil/water partition coefficient (KOC): Not available.

OTHER ADVERSE EFFECTS:

No known significant effects or critical hazards.

13. Disposal Consideration

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any by-products should at all times 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. 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 Classification	IMDG	IATA
UN Number	Not regulated.	Not available.	Not available.
UN Proper Shipping Name	-	Not available.	Not available.
Transport Hazard Class(es)	-	Not available.	Not available.
Packing Group:	-	-	-
Environmental Hazards:	No.	No.	No.
Additional Information:	-	-	-

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.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not available.

15. Regulatory Information

US FEDERAL REGULATIONS:

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

Clean Water Act (CWA) 307: Zinc and zinc compounds; Antimony & Antimony Compounds; naphthalene.

Clean Water Act (CWA) 311: naphthalene.

This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

SARA 302/304

Composition/information on ingredients

SARA 304 RQ : Not applicable.

SARA 311/312

Classification: Not applicable.

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate(acute) health hazard	Delayed (chronic) health hazard
Polymers	<5	No	No	No	Yes	No

US STATE REGULATIONS

Massachusetts: None of the components are listed.

New York: None of the components are listed.

New Jersey: None of the components are listed.

Pennsylvania: None of the components are listed.

California Proposition 65: WARNING: This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

Ingredient Name	%	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Naphthalene	<0.001	Yes	No	Yes	No

INTERNATIONAL REGULATIONS:

International lists: Australia inventory (AICS): All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Japan inventory: Not determined.

Korea inventory: All components are listed or exempted.

Malaysia Inventory (EHS Register): Not determined.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

Taiwan inventory (CSNN): Not determined.

Canada inventory: All components are listed or exempted.

EU Inventory: At least one component is not listed in EINECS but all such components are listed in ELINCS.

WHMIS (Canada): Not controlled under WHMIS (Canada).

16. Other Information

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

NFPA	Health Hazards: 1	Flammability: 1	Instability: 0	Physical & Chemical Properties:
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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.