




SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2769	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	TOUGH LUBE	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Calcium Sulfonate Grease	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: This product is not considered hazardous by OSHA Hazard Communication Standard 29 CFR 1910.1200	SIGNAL WORD: N/A	SYMBOL:	NOT A CONTROLLED  PRODUCT UNDER GHS
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HAZARD STATEMENTS:
Not expected to contain any products that cause health hazards when used under normal conditions and/or as directed by manufacturer. Used grease may contain harmful substances.

PRECAUTIONARY STATEMENTS:

Keep out of reach of children.
Read label before use.
Always wear eye or face protection.
Protect exposed skin from prolonged use.
EYES: Rinse eyes continually for several minutes.
SKIN: Wash affected skin with soap and water.

Storage: Not applicable.

Disposal: Always return waste to appropriate collection center. Dispose of empty containers in accordance with all national, state, and local regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

3.8% of the mixture consists of component(s) of unknown toxicity.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT
Butanedioic acid	29658-97-7	<2.5%

This product is a calcium sulfonate complex blended with a mixture of mineral oil with additives. The formulation is considered a trade secret and specific chemical names and/or percentages of the components have not been disclosed.

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: Not expected to contain or cause any specific health or safety hazards when used in accordance with label.

EYES: Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician.

SKIN: Remove with soap and water. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if symptoms persist or if unconscious.

INGESTION:

Seek medical attention if discomfort occurs. Do not induce vomiting.

NOTES TO PHYSICIAN:

No data.

5. Fire-Fighting Measures

CONDITIONS OF FLAMMABILITY:

Heat, sparks, flame, red hot metal.

SUITABLE FIRE EXTINGUISHING MEDIA:

Water, CO₂, dry chemical, or universal aqueous film forming foam.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Not available.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Oxides of carbon (CO, CO₂), smoke, and vapors as products of incomplete combustion.

EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT:

Not available.

EXPLOSION DATA-SENSITIVITY TO STATIC DISCHARGE:

Not available.

SPECIFIC FIRE-FIGHTING METHODS:

Use water spray to cool fire exposed containers as contents can rupture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Not available.

6. Accidental Release Measures

NOTIFICATION PROCEDURES:

Report spills/releases as required to appropriate authorities. Some regulations require immediate reporting of spills/releases that could reach any waterway, including intermittent dry creeks.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:

For land spills, shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of absorbed residues as directed in Section 13. For water spills, confine the spill immediately with booms. Notify port and/or other relevant authorities. Remove from the surface by skimming or with suitable absorbents.

ENVIRONMENTAL PRECAUTIONS:

Prevent material from entering sewers, water sources, or low-lying areas; advise the relevant authorities if it has or if it contaminates soil or vegetation.

7. Handling and Storage

SAFE HANDLING:

No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection.

SAFE STORAGE & INCOMPATIBILITIES:

Keep containers closed when not in use. Do not store in open or unlabeled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, or flame. Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. Empty drums should be completely drained, properly bunged, and promptly returned to drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. Exposure Controls / Personal Protection

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Molybdenum disulfide	TWA: 10 mg/m ³ Inhalable	TWA: 15 mg/m total dust (vacated)	IDLH: 500 mg/m ³
	TWA: 3 mg/m ³ Respirable		
Limestone		TWA: 15 mg/m ³ total dust (vacated)	TWA: 10 mg/m ³ total dust
		TWA: 5 mg/m ³ respirable fraction	TWA: 5 mg/m ³ respirable dust

ENGINEERING CONTROLS:

General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest PEL rated ingredient from Section 2.

PERSONAL PROTECTIVE EQUIPMENT:



Respiratory Protection: When mists are generated and/or when ventilation is not adequate, wear a NIOSH approved respirator with an appropriate cartridge. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary within the United States.

Skin Protection: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

Eye Protection: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

Hygiene Measures: Safety showers and eyewash stations should be available in the workplace. Avoid breathing vapors and contact with the skin and eyes. Keep out the reach of children. Wash hands after use.

9. Physical & Chemical Properties

Appearance:	Various colored semisolid.	Viscosity:	>160 SUS
Physical State:	Paste.	MIR Value:	0.0
Odor:	Slight petroleum.	Flammable Limits:	
		Lower:	No data.
		Upper:	No data.
Odor Threshold:	Not available.	Vapor Density:	Not available.
pH:	Not available.	Vapor Pressure:	<1 mm Hg
Melting/Freezing Point:	Not available.	HAP Content:	0.0 lbs/gal (0.0 g/L)
Percent Volatile:	0% Wt (0% Vol)max	Solubility (water):	Insoluble.
Flash Point:	>300°F	VOC Content:	0.0 lbs/gal (0.0 g/L)
Specific Gravity (H2O=1):	1.06 g/cc	Percent VOC:	0% Wt (0% vol) Max
Weight:	8.1 lbs/gal	Coeff of Water/Oil Distribution:	Not available.
Evaporation Rate:	Not available.		

10. Stability & Reactivity Information

STABILITY:

Stable.

CONDITIONS OF INSTABILITY:

Not available.

HAZARDOUS POLYMERIZATION:

Not expected to occur.

INCOMPATIBLE MATERIALS:

Strong oxidizers.

DECOMPOSITION PRODUCTS:

At elevated temperatures oxides of carbon can be produced.

CONDITIONS OF REACTIVITY:
Extreme heat and high-energy sources of ignition.

11. Toxicological Information

CARCINOGENICITY:
The petroleum base oil contained in this product has been highly refined by a variety of processes including hydrotreating and dewaxing to remove aromatics and improve performance characteristics. None of these oils used are listed as a carcinogen by NTP, IARC, or OSHA.

OTHER: No other information is available.

12. Ecological Information

ECOTOXICITY:

INGREDIENT	FISH LC50	DAPHNIA EC50	ALGAL IC50	BACTERIAL EC50
Base Oil	>10 g/l/96 hr	Not available.	Not available.	Not available.

MOBILITY:
When released into the environment, absorption to sediment and soil will be the predominant behavior.

PERSISTENCE:
Not available.

DEGRADABILITY:
This product is not expected to be inherently biodegradable.

BIOACCUMULATION:
Unlikely due to the very low water solubility of the product.

OTHER ECOLOGIC DATA:
Do not allow to enter waters, wastewater, or soil.

EFFECT ON OZONE LAYER:
This product does not contain any ozone depleting ingredients.

13. Disposal Consideration

Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

14. Transportation Information

NON-REGULATED MATERIAL:
All modes.

NMFC DESCRIPTION (United States)
ITEM DESCRIPTION: Compounds, Lubricating
ITEM NUMBER: CSCM322, CSCM352
CLASS: 55-65

15. Regulatory Information

UNITED STATES-FEDERAL:

INGREDIENT	CAS #	TSCA	RCRA	CERCLA	SARA 313	SARA 311/312
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UNITED STATES-STATES:

INGREDIENT	CA	DE	FL	MA	PA	MN	NJ	NY	WA
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CANADA:

INGREDIENT	A	B	D1B	D2A	D2B	E	DSL	NDSL	NPRI	CWC
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WHMIS CLASSIFICATION:
Not regulated.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

EUROPEAN UNION:

INGREDIENT	EINECS	SYMBOL	RISK PHRASES	SAFETY PHRASES
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SARA (313) TOXIC RELEASE INVENTORY:
This material may contain chemical(s) regulated under SARA. For specific question contact customer service.

RoHS COMPLIANCE:
This product is RoHS compliant according to the definitions and restrictions given by The European Parliament (Directive 2002/95/EC) and The Council of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

16. Other Information

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

NFPA	Health Hazards: 1	Flammability: 1	Instability: 0	Physical & Chemical Properties:
HMIS	Health Hazards: 1	Flammability: 0	Physical hazards: 0	Personal protection:

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.