






SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1713	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	SUPER SLICK	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Dry Film Lubricant	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Flammable aerosols: Category 1 Gases under pressure: Liquefied gas Eye irritation: Category 2A	SIGNAL WORD: DANGER	SYMBOL:			
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HAZARD STATEMENTS:

H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS:

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

Storage: P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
ethanol	64-17-5	>= 50 - < 70
Propane	74-98-6	>= 10 - < 20
Butane	106-97-8	>= 10 - < 20
propan-2-ol	67-63-0	>= 5 - < 10

4. First Aid Measures

EMERGENCY OVERVIEW

WARNING: Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

EYES: Remove contact lenses. Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists. Keep eye wide open while rinsing.

SKIN: Wash off immediately with plenty of water for at least 15 minutes.

INHALATION:

If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

INGESTION:

Keep respiratory tract clear. DO NOT induce vomiting unless directed to do so by a physician or poison control center.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

High volume water jet

SPECIFIC FIRE-FIGHTING METHODS:

Do not allow run-off from firefighting to enter drains or watercourses. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. For safety reasons, in case of fire cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide (CO₂). Carbon monoxide. Smoke.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. Handling and Storage

SAFE HANDLING:

Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

SAFE STORAGE:

BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire, even after use. Do not spray on flames or red-hot objects. No smoking. Observe label precautions. Electrical installations/working materials must comply with the technological safety standards.

INCOMPATIBLE MATERIALS:

Oxidizing agents.

8. Exposure Controls / Personal Protection

Chemical Name	CAS #	Value Type/ Form of Exposure	Control Parameters/Permissible Concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm	NIOSH REL
			1,900 mg/m ³	
		TWA	1,000 ppm	OSHA Z-1
Propane	74-98-6		1,900 mg/m ³	OSHA P0
		TWA	1,000 ppm	OSHA P0
			1,900 mg/m ³	
		TWA	1,000 ppm	ACGIH
Butane	106-97-8	TWA	1,000 ppm	NIOSH REL
			1,800 mg/m ³	
		TWA	1,000 ppm	OSHA Z-1
			1,800 mg/m ³	
propan-2-ol	67-63-0	TWA	1,000 ppm	OSHA P0
			1,800 mg/m ³	
		TWA	800 ppm	NIOSH REL
			1,900 mg/m ³	
propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm	NIOSH REL
			980 mg/m ³	
		ST	500 ppm	NIOSH REL
			1,225 mg/m ³	
		TWA	400 ppm	OSHA Z-1
	980 mg/m ³			
propan-2-ol	67-63-0	TWA	400 ppm	OSHA P0
			980 mg/m ³	
		STEL	500 ppm	OSHA P0
			1,225 mg/m ³	

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:

Component	CAS #	Control Parameters	Biological Specimen	Sampling Time	Permissible Concentration	Basis
Propan-2-OL	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	ACGIH BEI

PERSONAL PROTECTIVE EQUIPMENT:



EYE PROTECTION: Eye wash bottle with pure water. Tightly fitting safety goggles. Wear face-shield and protective suit for abnormal processing problems.

SKIN PROTECTION: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

RESPIRATORY PROTECTION: In the case of dust or aerosol formation, use respirator with an approved filter. In the case of vapour formation, use a respirator with an approved filter.

HYGIENE MEASURES When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

9. Physical & Chemical Properties			
Appearance:	Aerosol containing a liquefied gas	Flammability (gas/solid):	Extremely flammable aerosol.
Color:	White, grey, clear.	Upper Explosive Limit:	No data available.
Odor:	Characteristic	Lower Explosive Limit:	No data available.
Odor Threshold:	No data available.	Heat of Combustion:	35.52 kJ/g
pH:	Not applicable.	Vapor Pressure:	No data available.
Melting/Freezing Point:	Not applicable.	Density:	0.789 g/cm ³
Boiling Point:	No data available.	Solubility (water):	No data available.
Partition Coeff (n-octanol/water):	No data available.	Flash Point:	Not applicable.
Viscosity (kinematic):	No data available.		

10. Stability & Reactivity Information	
REACTIVITY:	Stable.
CHEMICAL STABILITY:	Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	Vapours may form explosive mixture with air.
INCOMPATIBLE MATERIALS:	Oxidizing agents.
CONDITIONS TO AVOID:	Heat, flames, and sparks.
DECOMPOSITION PRODUCTS:	Carbon oxides.

11. Toxicological Information	
ACUTE TOXICITY:	No data available.
SKIN CORROSION/IRRITATION:	May cause skin irritation in susceptible persons.
SERIOUS EYE DAMAGE/EYE IRRITATION:	Irritating to eyes.
RESPIRATORY OR SKIN SENSITIZATION:	No data available.
GERM CELL MUTAGENICITY:	No data available.
CARCINOGENICITY:	<p>IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>ACGIH: Confirmed animal carcinogen with unknown relevance to humans ethanol 64-17-5</p> <p>OSHA: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.</p> <p>NTP: No component of this product presents at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</p>
REPRODUCTIVE TOXICITY:	No data available.
ethanol:	
propane:	
butane:	
propan-2-ol:	
STOT - single exposure	No data available
STOT - repeated exposure	No data available
ASPIRATION TOXICITY:	No data available
FURTHER INFORMATION:	No data available.

12. Ecological Information	
ECOTOXICITY:	No data available.
PERSISTENCE AND DEGRADABILITY:	No data available.
BIOACCUMULATIVE POTENTIAL:	<p>Product: Partition coefficient: n-octanol/water: No data available.</p> <p>Components: Butane: Partition coefficient: n-octanol/water: Pow: 2.89</p>
MOBILITY IN SOIL:	No data available.
OTHER ADVERSE EFFECTS:	No data available.

Product:
Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances.
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

ADDITIONAL ECOLOGICAL INFORMATION:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

13. Disposal Consideration

WASTE FROM RESIDUES:

Dispose of in accordance with local regulations.

CONTAMINATED PACKAGING:

Empty remaining contents. Dispose of as unused product. Do not reuse empty containers. Do not burn, or use a cutting torch on, the empty drum.

14. Transportation Information

Transportation Regulation: 49 CFR (USA):

ORM-D, CONSUMER COMMODITY.

Transportation Regulation: IMDG (Vessel):

UN1950, AEROSOLS, 2.1, - Limited quantity.

Transportation Regulation: IATA (Cargo Air):

UN1950, Aerosols, flammable, 2.1, - Limited quantity.

Transportation Regulation: IATA (Passenger Air):

UN1950, Aerosols, flammable, 2.1, - Limited quantity.

Transportation Regulation: TDG (Canada):

UN1950, AEROSOLS, 2.1, - Limited quantity.

15. Regulatory Information

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity:

This material does not contain any components with a CERCLA RQ.

COMPONENTS	CAS#	COMPONENT RQ (lbs)	CALCULATED PRODUCT RQ (lbs)
n-butyl acetate	123-86-4	5000	*

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards:

Fire Hazard.
Sudden Release of Pressure Hazard.
Acute Health Hazard.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material 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.

California Prop 65:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA On TSCA Inventory.
DSL This product contains one or several components that are not on the Canadian DSL nor NDSL.
AICS Not in compliance with the inventory.
NZIoC Not in compliance with the inventory.
PICCS Not in compliance with the inventory.
IECSC Not in compliance with the inventory.

Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA).

16. Other Information

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

NFPA	Health Hazards: 3	Flammability: 4	Instability: 0	Physical & Chemical Properties:
HMIS	Health Hazards: 3	Flammability: 4	Physical hazards: 2	Personal protection:

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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.