






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:	Aerosol 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.
Disposal: P501 Dispose of contents/container in accordance with local regulation.

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

The exact percentages of disclosed substances are withheld as trade secrets.

4. First Aid Measures

EMERGENCY OVERVIEW
GENERAL: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
SKIN: Take off contaminated clothing and shoes immediately. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. If on skin, rinse well with water.
INHALATION:
If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
INGESTION:
Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. DO NOT induce vomiting unless directed to do so by a physician or poison control center.
MOST IMPORTANT SYMPTOMS & EFFECTS, BOTH ACUTE AND DELAYED:
Effects are immediate and delayed. Symptoms may include irritation, redness, pain, and rash. Effects are dependent on exposure (dose, concentration, contact time). Causes serious eye irritation. Review Section 2 of SDS to see all potential hazards.
NOTES TO PHYSICIAN:
Treat symptomatically. Symptoms may be delayed.

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:
Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical.

UNSUITABLE FIRE EXTINGUISHING MEDIA:
High volume water jet.

HAZARDOUS COMBUSTION PRODUCTS:
Carbon dioxide (CO₂). Carbon monoxide. Smoke.

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 container.

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 vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

ENVIRONMENTAL PRECAUTIONS:

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.

METHODS AND MATERIALS FOR CONTAINMENT & CLEANUP:

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 or spray mist. Avoid contact with skin and eyes. For personal protection see Section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

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.

MATERIALS TO AVOID:

Oxidizing agents.

8. Exposure Controls / Personal Protection

Components	CAS No	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
			1,900 mg/m ³	
		TWA	1,000 ppm	OSHA P0
		STEL	1,000 ppm	ACGIH
		PEL	1,000 ppm	CAL PEL
			1,900 mg/m ³	
Propane	74-98-6	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm	NIOSH REL
			1,800 mg/m ³	
		TWA	1,000 ppm	OSHA Z-1
			1,800 mg/m ³	
		TWA	1,000 ppm	OSHA P0
		PEL	1,000 ppm	CAL PEL
			1,800 mg/m ³	
Butane	106-97-8	TWA	800 ppm	NIOSH REL
			1,900 mg/m ³	
		TWA	800 ppm	OSHA P0
		PEL	800 ppm	CAL PEL
			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	
		TWA	400 ppm	OSHA P0
	980 mg/m ³			
		STEL	500 ppm	OSHA P0
			1,225 mg/m ³	
		PEL	400 ppm	CAL PEL
			980 mg/m ³	
		STEL	500 ppm	CAL PEL
			1,225 mg/m ³	

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:

Component	CAS No	Control Parameters	Biological Specimen	Sampling Time	Permissible Concentration	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of work week	40 mg/l	ACGIH BEI

APPROPRIATE ENGINEERING MEASURES:

Effective ventilation in all processing areas.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Tightly fitting safety goggles. Wear face-shield and protective suit for abnormal processing problems.

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

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hygiene Considerations: 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 (solid/gas):	Extremely flammable aerosol.
Color:	White, gray, clear.	Explosive Limit – lower (%):	No data available.
Odor:	Characteristic.	Explosive Limit – upper (%):	No data available.
Odor Threshold:	No data available.	Vapor Pressure:	No data available.
pH:	Not applicable.	Density:	0.789 g/cm ³ .
Melting/Freezing Point:	Not applicable.	Heat of Combustion:	35.52 kJ/g
Boiling Point:	No data available.	Solubility (water):	No data available.
Partition Coeff (n-octanol/water):	No data available.	Auto-Ignition Temperature:	No data available.
Flash Point:	Not applicable.	Thermal Decomposition:	No data available.
Evaporation Rate:	No data available.	Viscosity, kinematic:	No data available.

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

Stable.

CHEMICAL STABILITY:

Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

Vapors may form explosive mixture with air. No decomposition if stored and applied as directed.

INCOMPATIBLE MATERIALS:

Oxidizing agents.

CONDITIONS TO AVOID:

Heat, flames and sparks. Extremes of temperature and direct sunlight.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon oxides.

11. Toxicological Information**POTENTIAL HEALTH EFFECTS:**

Aggravated Medical Condition: None known.

Symptoms of Overexposure: Effects are immediate and delayed. Symptoms may include irritation, redness, pain and rash. Effects are dependent on exposure (dose, concentration, contact time).

CARCINOGENICITY:

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.

ACGIH: Confirmed animal carcinogen with unknown relevance to humans: Ethanol: 64-17-5.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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.

ACUTE TOXICITY:

Product:	Species:	Test Results:	Exposure Time:
Acute			
<i>Oral</i>			
LD50		Calculation Method: >5,000 mg/kg	
Components	Species	Test Results	
Ethanol			
Acute			
<i>Inhalation (Vapor)</i>			
LC50	Rat	124.7 mg/l	4 h
<i>Oral</i>			
LD50	Rat	7,060 mg/kg	

Propan-2-ol			
Oral			
LD50	Rat	4,396 mg/kg (Calculation Method)	

SKIN CORROSION/IRRITATION:

May cause skin irritation in susceptible persons.

SERIOUS EYE DAMAGE/IRRITATION:

Severe eye irritation.

RESPIRATORY OR SKIN SENSITIZATION:

No data available.

GERM CELL MUTAGENICITY:

No data available.

CARCINOGENICITY:

No data available.

REPRODUCTIVE TOXICITY:

No data available.

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:

Product: Partition coefficient: n-octanol/water: No data available.

Components: Ethanol: Partition coefficient: n-octanol/water: No data available.
Butane: Partition coefficient: n-octanol/water: Pow: 2.89

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 CR 82, Subpt. A, App.A + B).

ADDITIONAL ECOLOGICAL INFORMATION:

No data available.

13. Disposal Consideration

WASTE FROM RESIDUES:

Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. 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):

UN1950, AEROSOLS, FLAMMABLE, 2.1, - Limited quantity

Transportation Regulation: IMDG (Vessel):

UN1950, AEROSOLS, FLAMMABLE, 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, FLAMMABLE, 2.1, - Limited quantity

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

15. Regulatory Information

TSCA LIST:

No substances are subject to a Significant New Use Rule.
No substances are subject to TSCA 12(b) export notification requirements.

EPCRA (Emergency Planning and Community Right-To-Know Act):

CERCLA Reportable Quantity

Components	CAS No	Component RQ (lbs)	Calculated Product RQ (lbs)
n-butyl acetate	123-86-4	5,000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity:

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

SARA 311/312 Hazards:

Flammable (gases, aerosols, liquids or solids).
Gases under pressure.
Serious eye damage or eye irritation.

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:

DSL: All components of this product are on the Canadian DSL.

TSCA: On TSCA Inventory.

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

INVENTORY ACRONYM AND VALIDITY AREA LEGEND:

TSCA (USA), DSL (Canada), NDSL (Canada)

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.