SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1711	**COMPANY PHONE:**	1-800-241-8180
PRODUCT NAME:	NON-CONDUCTIVE LUBE	**EMERGENCY TELEPHONE:**	1-800-241-8180
PRODUCT DESCRIPTION:	Dielectric Silicone Grease	**INFOTRAC:**	1-800-535-5053
COMPANY INFORMATION:	**PRO CHEM, INC.** 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION:	**SIGNAL WORD:**	**SYMBOL:**	
Physical: Aerosol Category 3 **Health:** Toxic to Reproduction Category 2	**WARNING**		

HAZARD STATEMENTS:

Pressurized container: may burst if heated.
Suspected of damaging fertility or the unborn child.

PRECAUTIONARY PHRASES:

Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Response: IF exposed or concerned: Get medical attention.
Storage: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal: Dispose of contents and container in accordance with local and national regulations.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
1,1-Difluoroethane	75-37-6	<1%
Trimethoxyboroxin	102-24-9	<0.5%
The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.		

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

SKIN: Wash exposed skin with soap and water for several minutes. If skin irritation develops, seek medical attention.

INHALATION:
If symptoms of exposure develop, remove to fresh air. Seek medical attention if breathing problem or irritation persists.

INGESTION:
Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS:
May cause mild eye of respiratory irritation. Suspected of damaging fertility or the unborn child.

INDICATION OF IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT:
None known.

5. Fire-Fighting Measures

SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA:
Use dry chemical, foam, carbon dioxide, or water spray.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
Not classified as flammable but contains a flammable propellant. Contents under pressure. Burning may produce carbon oxides, formaldehyde, and silicon dioxide. Exposure of containers to heat and flames can cause them to rupture often with violent force.

SPECIAL FIRE FIGHTING PROCEDURES:
Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting cans.

6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:
Ventilate the area. Wear appropriate protective clothing and equipment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP:
Place leaking can in a pail in a well-ventilated area until pressure has dissipated. Collect residual liquid using inert absorbents and place into a suitable container for disposal.

ENVIRONMENTAL PRECAUTIONS:
Report release as required by local and national regulations.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Avoid contact with eyes and skin. Avoid breathing gas. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Contents under pressure, do not puncture or incinerate containers.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in a cool, dry, well-ventilated area, away from strong oxidizers and other incompatible materials. Do not store in direct sunlight or above 120°F.

U.F.C. (NFPA 30B) Level 1 Aerosol.

8. Exposure Controls / Personal Protection

EXPOSURE GUIDELINES:

Chemical	Exposure limits
1,1-Difluoroethane	1000 ppm TWA AIHA WEELs
Trimethoxyboroxin	None Established

APPROPRIATE ENGINEERING CONTROLS:

General ventilation should be adequate for normal use. For operations where the exposure limits may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face Protection: Safety glasses are recommended if eye contact is possible.
Skin Protection: Gloves: Impervious gloves recommended to avoid skin contact.
Other Protective Equipment/Clothing: None required.
Respiratory Protection: None under normal use conditions. For operations where the exposure limits may be exceeded, a NIOSH approved supplied air respirators recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134; all applicable laws and regulations; and good industrial hygiene practice.

9. Physical & Chemical Properties

Appearance:	Translucent paste with a slight sweet odor.	**Particle Characteristics:**	Not applicable.
Physical State:	Thick liquid under pressure.	**Flammability:**	Not applicable.
Odor Threshold:	Not determined.	**Flammability Limits:**	LEL: 3.7% (1,1-Difluoroethane) UEL: 18% (1,1-Difluoroethane)
pH:	Not determined.	**Specific Gravity:**	1.03 (Liquid component)
Melting/Freezing Point:	Not determined.	**Vapor Pressure:**	Not determined
Initial Boiling Point/Range:	> 300°C (> 572°F) (Liquid component)	**Relative Vapor Density:**	(Air = 1) >1 (Liquid component)
Kinematic Viscosity:	Not determined.	**Percent Volatile:**	Not determined.
Decomposition Temperature:	Not available.	**Evaporation Rate:**	(n-butyl acetate = 1.0): Not determined
Coefficient Of Water/Oil Distribution:	Not determined.	**VOC Content:**	10 g/L (Liquid component)
Flash Point:	> 300°C (> 572°F) (Liquid component)	**Autoignition Temp:**	Not determined.
Specific Gravity:	1.03 (Liquid component)	**Flame extension:**	Not determined.

10. Stability & Reactivity Information

REACTIVITY:

Not normally reactive.

CHEMICAL STABILITY:

Stable under normal storage and handling conditions

POSSIBILITY OF HAZARDOUS REACTIONS:

None expected.

CONDITIONS TO AVOID:

Keep away from excessive heat, and open flames. Containers may rupture at temperatures > 120°F (48.8°C).

INCOMPATIBLE MATERIALS:

Strong oxidizing agents, strong bases, and strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

May produce carbon oxides, formaldehyde, and silicon dioxide.

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

Inhalation: Vapors can irritate the throat and respiratory tract.
Skin Contact: May cause mild irritation.
Eye Contact: May cause mild irritation.
Ingestion: Swallowing may cause gastrointestinal disturbances.

CHRONIC EFFECTS:

Contains Trimethoxyboroxin. Boron compounds are suspected of damaging fertility or the unborn child.

CARCINOGENICITY LISTING:

None of the components listed is a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA

NUMERICAL MEASURES OF TOXICITY:

Product ATE:	LD50 Oral > 5,000 mg/kg. LD50 Dermal >2,000 mg/kg
1,1-Difluoroethane:	LC50 Inhalation Rat: 437,500ppm/4h
Trimethoxyboroxin:	LD50 Oral Rat: 4,080 mg/kg LD50 Dermal Rabbit: >2,000 mg/kg

12. Ecological Information

ECOTOXICITY:

1,1-Difluoroethane: LC50 Fish 719.61 mg/L/ 96hr (Calculated)

PERSISTENCE AND DEGRADABILITY:

No data available for product.

BIO ACCUMULATIVE POTENTIAL:

No data available for product.

MOBILITY IN SOIL:

No data available for product.

OTHER ADVERSE EFFECTS:

No data available.

13. Disposal Consideration

Dispose of in accordance with all local, state/provincial, and federal regulations. Offer empty containers for recycling.

14. Transportation Information

DOT Hazardous Materials Description: UN1950, Aerosols, 2.2 LTD QTY
IMDG Dangerous Goods Description: UN1950, Aerosols 2.2 LTD QTY

15. Regulatory Information

UNITED STATES:

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA Section 103: This product has no RQ, however, oil spills must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state, and local regulations.

SARA Hazard Category (311/312): Classified under OSHA Hazcom 2012 GHS as per Section 2 of this SDS.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None

California Proposition 65: This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity.

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.