SAFETY DATA SHEET

Issue Date 4/30/2015 **Revision Date** 4/30/2015 **Version** 1

1. IDENTIFICATION

Product identifier
Product Name: Super Pen

Other means of identification
Product code: F-852
Synonyms: None

Recommended use of the chemical and restrictions on use
Recommended Use: Lubricant.
Uses advised against: No information available

Details of the supplier of the safety data sheet
Supplier Address
FRONTIER PERFORMANCE LUBRICANTS INC
PO BOX 1777
LODI, CA 95241
Phone: (800)-807-4496
Fax: (209)-334-6408

Emergency telephone number
Emergency Telephone: PERS (800)-633-8253

2. HAZARDS IDENTIFICATION

Physical Hazard Classification: Flammable Aerosols, Category 1

DANGER

Physical Hazard Precautionary Statements: Extremely flammable aerosol.
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. Protect from sunlight.
Do not expose to temperatures exceeding 50 °C/122°F.

Health Hazard Classification(s):

Acute Toxicity - Oral - Level 5	Warning
Acute Toxicity - Inhalation - Level 5	Warning
Skin Corrosion/Irritation -Level 3	Warning
Eye Damage/Irritation -Level 2B	Warning
Aspiration Hazard - Level 2	Warning

Health Hazard Statements:
May be harmful if swallowed.
May be harmful if swallowed and enters airways.
Causes mild skin irritation.
Causes eye irritation.
May be harmful if inhaled.

3. COMPOSITION/INFORMATION ON INGREDIENTS

	CAS #	% Range		PEL	TLV
HYDROCARBON PROPELLANT	68476-86-8	10%	20%	NO DATA	NO DATA
PETROLEUM HYDROCARBON BASE	64741-88-4	40%	65%	NOT ESTABLISHED	NOT ESTABLISHED
HYDROTREATED LIGHT DISTILLATE	64742-47-8	20%	30%	NONE ESTABLISHED BY OSHA	NONE ESTABLISHED BY OSHA
ETHANOL, 2-BUTOXY	111-76-2	1%	5%	25 PPM	25 PPM
POLYDIMETHYLSILOXANE FLUID	63148-62-9	5%	10%	NOT ESTABLISHED	NOT ESTABLISHED

Specific chemical identity and exact percentages are withheld as Trade Secret.

4. FIRST AID MEASURES

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

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

Call a POISON CENTER/doctor/physician if you feel unwell.
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

GENERAL: This material is an aspiration hazard and defats the skin. Breathing vapors of high concentrations may cause CNS depression.

EYE CONTACT: Slightly irritating but does not injure eye tissue.

SKIN CONTACT: Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.

INHALATION: High vapor/aerosol concentrations (greater than approximately 100 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

INGESTION: Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly minimal toxicity.

FIRST AID
EYE CONTACT: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.
SKIN CONTACT: Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before reuse.
INHALATION: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention
INGESTION: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

PRECAUTIONS
SPECIAL PRECAUTIONS: Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

PERSONAL PROTECTION: For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves. Where concentrations in air may exceed the limits, work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

VENTILATION:	The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures, or is agitated.

5. FIRE-FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: This product releases Flammable Vapors at well below ambient temperatures and readily forms flammable mixtures with air exposed to an ignition source. It will burn in the open or be explosive in confined spaces. Its vapors are heavier than air and may travel long distances to a point of ignition, and then flash back. Alkaline/chlorine gas mixtures have produced explosions.

EXTINGUISHING MEDIA: Dry Chemical. CO2. Halogenated Extinguishing Agent. Stop Gas Flow.

SPECIAL FIREFIGHTING PROCEDURES: Gas fires should not be extinguished unless the gas flow can be stopped immediately. Allow the fire to burn itself out. If the source cannot be shut off immediately, all equipment and surfaces exposed to the fire should be cooled with water to prevent over-heating flash- backs, or explosions. Control fire until gas supply can be shut off. Use proper protective equipment. Use fresh air respirator when exposure to hazardous concentrations of toxic gases is possible.

FIRE FIGHTING: Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Use foam, dry chemical, or water spray to extinguish fire. Avoid spraying water directly into storage containers due to danger of boiling over. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED:
Clean up area by mopping or with absorbent materials and place in closed container for disposal. Consult Federal, State, and local disposal authorities.

WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities for approved procedures.

7. HANDLING AND STORAGE

Store locked up.

VENTILATION REQUIREMENT:	Use adequate level exhaust ventilation. Note: Where carbon monoxide may be generated, special ventilation may be required. Local exhaust recommended when appropriate to control employee exposure.
RESPIRATORY PROTECTION:	Based on contamination level and working limits of the respirator, use a respirator approved by NIOSH/MSHA.
EYES:	Face shield and goggles or chemical goggles should be worn.
GLOVES:	Impervious gloves should be worn. Gloves contaminated with the product should be discarded. Polyfluorinated polyethylene has been suggested.
OTHER CLOTHING EQUIPMENT:	Standard work clothing. Standard work shoes; discard if shoes can not be decontaminated. Store contaminated clothing in well ventilated cabinets or closed containers. Wash contaminated clothing and dry before reuse.
RESPIRATORY PROTECTION:	In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH approved organic vapor cartridge or air-supplying respirator should be worn.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wash hands and exposed areas thoroughly after handling.

VENTILATION REQUIREMENT:	Use adequate level exhaust ventilation. Note: Where carbon monoxide may be generated, special ventilation may be required. Local exhaust recommended when appropriate to control

	employee exposure.
RESPIRATORY PROTECTION:	Based on contamination level and working limits of the respirator, use a respirator approved by NIOSH/MSHA.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (CCP):	LVL 3 AEROSOL, PROPELLENT: -137°F
Boiling Point for Product:	N/D
Vapor Pressure for Product:	N/D
Vapor Density for Product:	N/D
Specific Gravity:	N/D
V.O.C.:	N/D
Water Solubility:	Negligible
Appearance:	Aerosol Spray
PH:	N/D

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Temperatures above 130 degree F.

HAZARDOUS POLYMERIZATION: Will not occur

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: None

11. TOXICOLOGICAL INFORMATION

PETROLEUM HYDROCARBON BASE STOCK 64741-88-4

Viscosity of liquid may pose a choking hazard if enters the airways. Do not induce vomiting if swallowed.

HYDROTREATED LIGHT DISTILLATE 64742-47-8

Acute oral toxicity:	LD 50 Rat: > 8,000 mg/kg
Acute inhalation toxicity:	LD 50 Rat: > 2500 ppm, 4 h
Acute dermal toxicity:	LD 50 Rabbit: > 4,000 mg/kg

ETHANOL, 2-BUTOXY 111-76-2

Acute oral toxicity :	LD 50 Guinea pig: 1,200 mg/kg
Acute inhalation toxicity :	LC 50 Guinea pig: > 633 ppm, 1 h
Acute dermal toxicity :	LD 50 Guinea pig: > 2,000 mg/kg

12. ECOLOGICAL INFORMATION

ETHANOL, 2-BUTOXY 111-76-2

Aquatic Toxicity LC50 Fish: 1490 mg/L

Aquatic Toxicity EC50 Crustacea: 550-1000 mg/L

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified in Section III with an "*". Additional ecological information is Not Determined.

13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local regulations.

WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities for approved procedures.

14. TRANSPORT INFORMATION

DOT Proper Shipping Name: UN1950
Aerosols, flammable, (each not exceeding 1L capacity) 2.1

15. REGULATORY INFORMATION

	CAS#	PEL	TLV
HYDROCARBON PROPELLANT	68476-86-8	NO DATA	NO DATA
PETROLEUM HYDROCARBON BASE	64741-88-4	NOT ESTABLISHED	NOT ESTABLISHED
HYDROTREATED LIGHT DISTILLATE	64742-47-8	NONE ESTABLISHED BY OSHA	NONE ESTABLISHED BY OSHA
ETHANOL, 2-BUTOXY	111-76-2	25 PPM	25 PPM
POLYDIMETHYLSILOXANE FLUID	63148-62-9	NOT ESTABLISHED	NOT ESTABLISHED

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified above with an "*"

16. OTHER INFORMATION

Consumer Product Safety Act Certification.
This product was evaluated by Frontier Lubricants and is certified to be in compliance with the provisions of the Consumer Product Safety Act, the Federal Hazardous Substances Act, and the Poison Prevention Packaging Act, as applicable. This product was manufactured at the location identified on the SDS. The date of manufacture is stamped on the product container. No testing is required to certify compliance with the above mentioned regulation.

Issue Date 4/30/2015
Revision Date 4/30/2015
Revision Note Not applicable

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet