

MATERIAL SAFETY DATA SHEET

State Chemical Division – State Industrial Products 3100 Hamilton Avenue, Cleveland, OH 44114 (216) 861-7114
State Chemical Ltd. 1745 Meyerside Dr., Unit #1, Mississauga, Ontario L5T 1C6 (905) 670-4669

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **INVISILUBE** 24 Hour CHEMTREC Number: 800-424-9300

Product Description: A clear multi-purpose lubricant MSDS Number: 700113

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Propane	74-98-6	< 15%	2500 ppm	1000 ppm
Butane	106-97-8	< 15%	800 ppm	800 ppm
Hexane	110-54-3	< 30%	50 ppm	50 ppm
Isohexane Isomers	107-83-5	< 23%	500 ppm	500 ppm
Petroleum Distillates	64742-65-0 or 64742-58-1	< 15%	5 mg/m ³ as mist	5 mg/m ³ as mist
Petrolatum	8009-03-8	< 15%	5 mg/m ³ as mist	5 mg/m ³ as mist
Cyclohexane	110-82-7	< 2.0%	300 ppm	300 ppm

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Extremely flammable. Contents under pressure. Do not puncture, incinerate or expose to temperature above 120°F(49°C). Eye, skin and respiratory irritant. Vapor harmful.

POTENTIAL HEALTH EFFECTS Routes of Exposure: Exposure may be by inhalation and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation and personal protective equipment. Eye Contact: May cause eye irritation. Redness and itching or burning sensation may indicate excessive exposure. Skin Contact: May cause skin irritation. Redness and itching or burning sensation may indicate excessive exposure. Inhalation: May cause irritation of the respiratory system. May cause nervous system depression, headache, nausea, dizziness and loss of coordination are indications of excessive exposure to vapors or spray mists. Extreme overexposure may result in unconsciousness and possibly death. General: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged or repeated exposure to Hexane may cause damage to nerve tissue of the arms and legs (peripheral neuropathy), resulting in muscular weakness and loss of sensation.

4. FIRST AID MEASURES

Eye Contact: Promptly flush with a large amount of water for at least 15 minutes. If irritation persists, consult a physician. Skin Contact: Promptly wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, consult a physician. Inhalation: Remove to fresh air. Restore breathing if necessary. If irritation persists, consult a physician. Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Flashpoint: Propellant < 0°F. Lower Explosive Limit(LEL): 1.0 Upper Explosive Limit(UEL): 9.5 Autoignition Temperature: NA Fire and Explosion Hazards: Vapors will accumulate readily and may ignite explosively. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode (due to build-up of pressure) when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Extinguishing Media: Carbon dioxide, dry chemical, foam. Fire Fighting Instructions: Full protective equipment including self-contained breathing apparatus should be used. Water spray maybe ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area and remove with inert absorbent. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

7. HANDLING AND STORAGE

Keep away from heat, flames, sparks or other sources of ignition. Vapors will accumulate readily and may ignite explosively. Keep area ventilated. Do not smoke. Extinguish all flames, pilot lights and heaters. Turn off stoves, Consult NFPA Code. Use approved bonding and grounding procedures. Contents under pressure. Do not puncture, incinerate or expose to temperature above 120°F(49°C). Heat from sunlight, radiators, stoves, hot water and other heat sources could cause container to burst. Do not take internally. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Keep out of reach of children. Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Local exhaust preferable. General exhaust acceptable if the exposure to materials is maintained below applicable exposure limits. Personal Protective Equipment: Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted NIOSH-approved organic vapor/particulate respirator. Eye: Wear approved safety glasses with unperforated sideshields. Skin: None required for normal

application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemically resistant gloves. Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear. Odor: Solvent. Physical State: Liquid aerosol. pH: NA

Product Weight: 5.56 lb/gal; 666 g/l. Specific Gravity: 0.67 Boiling Point: < 0 - 179°F; < -18 - 81°C

Volatile Volume: 80% Melting Point: NA Vapor Density: Heavier than air. Evaporation Rate: Faster than Ether.

Solubility in Water: NA Vapor Pressure@70°F: NA VOC Content: 74.00% (less Federally Exempt Solvents).

10. STABILITY AND REACTIVITY

Stability: Stable. Hazardous Polymerization: Will not occur. Conditions to Avoid: Heat, sparks, flames or other sources of ignition. Incompatibility: None expected. Hazardous Decomposition Products: By Fire: Carbon Dioxide, Carbon Monoxide.

11. TOXICOLOGICAL INFORMATION

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Propane	74-98-6	NE	NE
Butane	106-97-8	NE	658 mg/l/4 hr (rat)
Hexane	110-54-3	45 ml/kg (rat oral)	48000 ppm/<4 hr (rat)
Isohexane Isomers	107-83-5	NE	NE
Petroleum Distillates	64742-65-0 or 64742-58-1	NE	NE
Petrolatum	8009-03-8	NE	NE
Cyclohexane	110-82-7	8 ml/kg (rat oral)	95 mg/l/1 hr (flathead minnow)

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATIONS

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability and extractability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State and Local Regulations regarding pollution and waste disposal.

14. TRANSPORT INFORMATION

DOT Shipping Data: Consumer Commodity, ORM-D Canadian TDG: Shipped in accordance with 49 CFR as part of a transborder shipment authorized under Section 5.2 (1) of the Canadian Transportation of Dangerous Goods. For International Shipments by Air: Aerosols, Flammable, 2.1, UN1950. For International Shipments by Vessel: Aerosols, Flammable, 2.1, UN1950, Limited Quantity

15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory. CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDL. Proposition 65: This product may contain trace amounts of the following chemicals that are known to the state of California to cause cancer, birth defects or other reproductive harm:

Benzene	71-43-2	0.005%
Toluene	108-88-3	< 1 ppm

SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372.65C):

Hexane	110-54-3	28%
Cyclohexane	110-82-7	1%

HMS Classification: Health = 2 Flammability = 4 Reactivity = 0 Personal Protection = B WHMIS Classification: Class A; Class B, Division 5; Class D, Division 2B

16. OTHER INFORMATION

NA = Not Available or Not Applicable

NE = Not Established

Read and follow all label directions and precautions before using the product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

HEALTH AND SAFETY INFORMATION: (216) 861-7114

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Completed By: Regulatory Affairs Specialist