

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Telephone numbers:</b>	(517) 546-4520
<b>Manufacturer/Supplier:</b>	CHEM-TREND LP P.O. BOX 860 HOWELL, MI 48844-0860
<b>Product Name:</b>	Lusin® Lub PM 1001

## 2. HAZARDS IDENTIFICATION

<b>Physical State:</b>	Aerosol
<b>Appearance:</b>	Aerosol
<b>Color:</b>	Colourless
<b>Odor:</b>	Characteristic
<b>Emergency Overview:</b>	DANGER: FLAMMABLE!
<b>Principle routes of exposure:</b>	Skin, eyes, respiratory tract, gastrointestinal tract
See Toxicological Information (section 11)	

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Registry Number	Weight %
Naphtha, petroleum, hydrotreated light	64742-49-0	20 - 30%
Mineral oil (Wolfrakote SSP)	Proprietary	1 - 5%
Synthetic carbon oil (Wolfrakote SSP)	Proprietary	1 - 5%
Solid lubricant (Wolfrakote SSP)	Proprietary	1 - 5%
N-Butane	106-97-8	20 - 30%
Isobutane	75-28-5	20 - 30%
Propane	74-98-6	10 - 20%

## 4. FIRST AID MEASURES

<b>Skin contact:</b>	Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes
<b>Eye contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and contact a physician
<b>Inhalation:</b>	Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Move to fresh air. If symptoms persist, call a physician.

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### 4. FIRST AID MEASURES

<b>Ingestion:</b>	Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Aspiration may cause pulmonary oedema and pneumonitis. Contact a physician immediately.
<b>Aggravated Medical Conditions:</b>	No information available
<b>Notes to physician:</b>	No information available

### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	-76°F, -60°C
<b>Flame extension test, inches (aerosol products only):</b>	Not applicable or no information available.
<b>Suitable extinguishing media:</b>	Carbon dioxide (CO2). Dry chemical. Foam. Do not use a direct stream of water..
<b>Unusual hazards:</b>	Extremely flammable. The pressure in sealed containers can increase under the influence of heat.
<b>Special protective equipment for firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific methods:</b>	Standard procedure for chemical fires. Cool containers / tanks with spray water
<b>Explosive properties:</b>	No information available.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Method(s) for cleanup:</b>	
<b>Small spills:</b>	Soak up with inert absorbent material and dispose of as hazardous waste. Take precautionary measures against static discharges.
<b>Large spills:</b>	Dam up. Take up mechanically and collect in a suitable properly labelled chemical waste container for disposal. Take precautionary measures against static discharges.

### 7. HANDLING AND STORAGE

<b>Handling:</b>	
<b>Technical measures/precautions:</b>	Ensure adequate ventilation. Take precautionary measures against static discharges.
<b>Safe handling advice:</b>	Handle in accordance with good industrial hygiene and safety practice. Normal measures of preventive fire protection. Take precautionary measures against static discharges. Keep product and empty container away from heat, open flames, and other sources of ignition. Bond and ground containers during transfer of material. Do not puncture empty containers. Do not re-use empty containers for other materials.

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### 7. HANDLING AND STORAGE

**Storage:****Technical measures/storage conditions:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep product and empty container away from open flames, hot surfaces and sources of ignition. Store at temperatures not exceeding 110°F.

**Incompatible products:**

Strong oxidizing agents.

**Other precautions:**

The pressure in sealed containers can increase under the influence of heat.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS Registry Number	ACGIH TWA:	OSHA - TWA:	OSHA - Skin Notations	OSHA Z3 Mineral Dusts
Naphtha, petroleum, hydrotreated light	64742-49-0	-	-	-	-
Mineral oil (Wolfrakote SSP)	Proprietary	-	-	-	-
Synthetic carbon oil (Wolfrakote SSP)	Proprietary	-	-	-	-
Solid lubricant (Wolfrakote SSP)	Proprietary	-	-	-	-
N-Butane	106-97-8	1000 ppm	-	-	-
Isobutane	75-28-5	1000 ppm	-	-	-
Propane	74-98-6	1000 ppm	=1000ppmTW A =1800mg/m <sup>3</sup> T WA	-	-

**Engineering measures to reduce exposure:**

Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**Personal Protective Equipment****Respiratory protection:**

In case of insufficient ventilation wear suitable respiratory equipment.

**Hand protection:**

Impervious gloves

**Eye protection:**

Tightly-fitting safety goggles or safety glasses with side shields.

**Skin and body protection:**

Lightweight protective clothing. Usual safety precautions while handling the product will provide adequate protection against this potential effect

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Initial boiling point:** 140°F, 60°C

**Specific gravity:** 0.70

**Bulk density (lb/gal):** 5.83

**Vapor pressure in mm Hg at 20 °C (68 °F):** 190 hPa

**Evaporation rate:** Not determined.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Vapor density (air = 1):</b>	Not determined.
<b>Volatiles content (%):</b>	85 - 95%
<b>Solubility in water:</b>	Insoluble
<b>pH of concentrate:</b>	Not determined.
<b>Melting point/range:</b>	Not applicable
<b>Flash point:</b>	-76°F, -60°C
<b>Flammability limits in air:</b>	Percent by volume

Ingredient	CAS Registry Number	Lower (%):	Upper (%):
Naphtha, petroleum, hydrotreated light	64742-49-0	1.0	7.3
N-Butane	106-97-8	1.6	8.4
Isobutane	75-28-5	1.6	8.4
Propane	74-98-6	2.1	9.5

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	Keep away from open flames, hot surfaces and sources of ignition.
<b>Materials to avoid:</b>	Strong oxidising agents.
<b>Hazardous decomposition products:</b>	Carbon oxides
<b>Polymerization:</b>	Hazardous polymerisation does not occur

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Component Information:

Ingredient	CAS Registry Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Naphtha, petroleum, hydrotreated light	64742-49-0	5000 mg/kg ( Rat )	3160 mg/kg ( Rabbit )	73680 ppm ( Rat ) 4 h
Mineral oil (Wolfrakote SSP)	Proprietary	-	-	-
Synthetic carbon oil (Wolfrakote SSP)	Proprietary	-	-	-
Solid lubricant (Wolfrakote SSP)	Proprietary	-	-	-
N-Butane	106-97-8	-	-	658 mg/L ( Rat ) 4 h
Isobutane	75-28-5	-	-	658 mg/L ( Rat ) 4 h
Propane	74-98-6	-	-	658 mg ( Rat )

**11. TOXICOLOGICAL INFORMATION**

<b>Acute effects</b>	<b>Product contains proprietary ingredients. Health hazards are listed below.</b>
<b>Skin contact:</b>	Prolonged contact may defat skin, causing irritation and/or dermatitis.
<b>Eye contact:</b>	May cause eye irritation
<b>Inhalation:</b>	High levels above the TLV cause stupor, headache, nausea, dizziness, unconsciousness, and may produce adverse effects on vision.
<b>Ingestion:</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Material entering lungs during swallowing or vomiting causes lung inflammation and other lung injury.
<b>Sensitization:</b>	No information available.
<b>Other effects:</b>	No information available.

**Chronic effects****Carcinogenic effects:**

<b>Ingredient</b>	<b>CAS Registry Number</b>	<b>NTP:</b>	<b>IARC:</b>	<b>OSHA:</b>
Naphtha, petroleum, hydrotreated light	64742-49-0	No	No	No
Mineral oil (Wolfrakote SSP)	Proprietary	No	No	No
Synthetic carbon oil (Wolfrakote SSP)	Proprietary	No	No	No
Solid lubricant (Wolfrakote SSP)	Proprietary	No	No	No
N-Butane	106-97-8	No	No	No
Isobutane	75-28-5	No	No	No
Propane	74-98-6	No	No	No

<b>Mutagenic effects:</b>	No information available
<b>Reproductive toxicity:</b>	No information available
<b>Target organ effects:</b>	No information available.

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	No data available
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**13. DISPOSAL CONSIDERATIONS**

<b>Method(s) of disposal:</b>	Dispose of in accordance with local, state, and federal regulations.
<b>US EPA Waste code(s):</b>	D001 because of its ignitability if the product is disposed of in its original form.

**14. TRANSPORTATION INFORMATION**

<b>IMDG - Marine Pollutants</b>	This product does not contain marine pollutants as classified by the International Maritime Organization.
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**Emergency Response Guidebook 126 (ERG) No:**

**14. TRANSPORTATION INFORMATION**

Mode of Transportation:	UN/NA ID No:	Proper shipping name:	Technical name:	Hazard Class:		Packing group:
DOT - Non-Bulk	-	Consumer commodity	-	ORM-D		-
DOT - Bulk	-	Consumer commodity	-	ORM-D		-
Canadian TDG	-	Consumer commodity	-	ORM-D		-
ICAO/IATA	UN1950	Aerosols, flammable	-	2.1		-
IMO/IMDG	UN1950	Aerosols	-	2.1		-

**15. REGULATORY INFORMATION**

**U.S. Regulations**

**OSHA Hazardous Chemical: Yes**

**Sara Title III**

**CERCLA/SARA (304) Hazardous Substances and RQs**

Ingredient	CAS Registry Number	Weight %	RQ
Naphtha, petroleum, hydrotreated light	64742-49-0	20 - 30%	-
Mineral oil (Wolfrakote SSP)	Proprietary	1 - 5%	-
Synthetic carbon oil (Wolfrakote SSP)	Proprietary	1 - 5%	-
Solid lubricant (Wolfrakote SSP)	Proprietary	1 - 5%	-
N-Butane	106-97-8	20 - 30%	-
Isobutane	75-28-5	20 - 30%	-
Propane	74-98-6	10 - 20%	-

**SARA (302) Extremely Hazardous Substances and RQs**

Ingredient	CAS Registry Number	Weight %	RQs
Naphtha, petroleum, hydrotreated light	64742-49-0	20 - 30%	-
Mineral oil (Wolfrakote SSP)	Proprietary	1 - 5%	-
Synthetic carbon oil (Wolfrakote SSP)	Proprietary	1 - 5%	-
Solid lubricant (Wolfrakote SSP)	Proprietary	1 - 5%	-
N-Butane	106-97-8	20 - 30%	-
Isobutane	75-28-5	20 - 30%	-
Propane	74-98-6	10 - 20%	-

**SARA (311/312) Classification:**

**Acute health hazard: Yes**  
**Chronic health hazard: No**  
**Fire: Yes**

**15. REGULATORY INFORMATION**

**Sudden release of pressure:** Yes  
**Reactive:** No

**SARA (313) Toxic Chemicals**

Ingredient	CAS Registry Number	Weight %	SARA (313) List
Naphtha, petroleum, hydrotreated light	64742-49-0	20 - 30%	Not Listed
Mineral oil (Wolfrakote SSP)	Proprietary	1 - 5%	Not Listed
Synthetic carbon oil (Wolfrakote SSP)	Proprietary	1 - 5%	Not Listed
Solid lubricant (Wolfrakote SSP)	Proprietary	1 - 5%	Not Listed
N-Butane	106-97-8	20 - 30%	Not Listed
Isobutane	75-28-5	20 - 30%	Not Listed
Propane	74-98-6	10 - 20%	Not Listed

**International Inventories**

<b>Australia:</b>	This product does not comply with AICS
<b>Canada:</b>	This product complies with DSL
<b>China:</b>	This product does not comply with CLECS.
<b>Europe:</b>	This product complies with EINECS
<b>Japan:</b>	This product does not comply with ENCS/MITI.
<b>Korea:</b>	This product does not comply with ECL.
<b>New Zealand:</b>	This product does not comply with NEWZ
<b>Philippines:</b>	This product does not comply with PICCS.
<b>United States:</b>	This product complies with TSCA.

**16. OTHER INFORMATION**

**Hazardous Material Information System (USA):**

**Health:** 1      **Flammability:** 4      **Physical hazard:** 0      **Personal Protection code:** H

**National Fire Protection Association (USA):**

**Health:** 1      **Flammability:** 4      **Instability:** 0      **Special Hazards:** None

All revisions are marked with one or more asterisks (\*)

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**Disclaimer**

**16. OTHER INFORMATION**

*Information presented herein has been compiled from information provided to us by our suppliers and other sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or the use of any product in violation of any patent or in violation of any law or regulation. It is the users' responsibility to determine the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.*