

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND 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® PROTECT O 41 AEROSOL

## 2. HAZARDS IDENTIFICATION

<b>Physical State:</b>	Aerosol
<b>Appearance:</b>	Aerosol
<b>Color:</b>	Amber
<b>Odor:</b>	Characteristic
<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, hydrodesulfurized heavy	64742-82-1	30 - 40%
Xylenes (o-, m-, p- isomers)	1330-20-7	1 - 5%
1,2,4-Trimethylbenzene	95-63-6	1 - 5%
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	1 - 5%
Ethyl benzene	100-41-4	0.1 - 1.5%
Corrosion inhibitor blend	Proprietary	10 - 20%
Propane/isobutane/N-butane	68476-86-8	40 - 50%

## 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>	-156°F, -104°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. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.
<b>Safe handling advice:</b>	Do not spray on a naked flame or any other incandescent material Handle in accordance with good industrial hygiene and safety practice. Normal measures of preventive fire protection. Do not re-use empty containers for other materials.
<b>Storage:</b>	

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## 7. HANDLING AND STORAGE

**Technical measures/storage conditions:** Keep tightly closed in a dry, cool and well-ventilated place. Keep 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, hydrodesulfurized heavy	64742-82-1	-	-	-	-
Xylenes (o-, m-, p-isomers)	1330-20-7	100 ppm 150 ppm	=100ppmTWA =435mg/m <sup>3</sup> T WA	-	-
1,2,4-Trimethylbenzene	95-63-6	-	-	-	-
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	-	-	-	-
Ethyl benzene	100-41-4	100 ppm 125 ppm	=100ppmTWA =435mg/m <sup>3</sup> T WA	-	-
Corrosion inhibitor blend	Proprietary	-	-	-	-
Propane/isobutane/N-butane	68476-86-8	-	-	-	-

**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:** -43°F, -42°C

**Specific gravity:** 0.64

**Bulk density (lb/gal):** 5.36

**Vapor pressure in mm Hg at 20 °C (68 °F):** 55 - 65 psig

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Vapor density (air = 1):</b>	Not determined.
<b>Evaporation rate:</b>	Not determined.
<b>Volatiles content (%):</b>	75 - 85%
<b>Solubility in water:</b>	Insoluble
<b>pH of concentrate:</b>	Not determined.
<b>Melting point/range:</b>	Not applicable
<b>Flash point:</b>	-156°F, -104°C
<b>Flammability limits in air:</b>	Percent by volume

Ingredient	CAS Registry Number	Lower (%):	Upper (%):
Propane/isobutane/N-butane	68476-86-8	1.8	9.5
Naphtha, petroleum, hydrodesulfurized heavy	64742-82-1	No information available	No information available
Xylenes (o-, m-, p-isomers)	1330-20-7	1.0	6.6
1,2,4-Trimethylbenzene	95-63-6	0.9	6.4
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	No information available	No information available

## 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, hydrodesulfurized heavy	64742-82-1	5000 mg/kg ( Rat )	3160 mg/kg ( Rabbit )	-

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## 11. TOXICOLOGICAL INFORMATION

Xylenes (o-, m-, p- isomers)	1330-20-7	4300 mg/kg ( Rat )	1700 mg/kg ( Rabbit )	5000 ppm ( Rat ) 4 h
1,2,4-Trimethylbenzene	95-63-6	3400 mg/kg ( Rat )	3160 mg/kg ( Rabbit )	18 g/m <sup>3</sup> ( Rat ) 4 h
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	2.18 mg/L ( Rat ) 4 h
Ethyl benzene	100-41-4	3500 mg/kg ( Rat )	15354 mg/kg ( Rabbit )	17.2 mg/L ( Rat ) 4 h
Corrosion inhibitor blend	Proprietary	-	-	-
Propane/isobutane/N-butane	68476-86-8	-	-	-

### Acute effects

**Product contains proprietary ingredients. Health hazards are listed below.**

<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:

Ingredient	CAS Registry Number	NTP:	IARC:	OSHA:
Naphtha, petroleum, hydrodesulfurized heavy	64742-82-1	No	No	No
Xylenes (o-, m-, p- isomers)	1330-20-7	No	No	No
1,2,4-Trimethylbenzene	95-63-6	No	No	No
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	No	No	No
Ethyl benzene	100-41-4	No	GROUP 2B	Yes
Corrosion inhibitor blend	Proprietary	No	No	No
Propane/isobutane/N-butane	68476-86-8	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

**Ecotoxicity:** No data available

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## 13. DISPOSAL CONSIDERATIONS

**Method(s) of disposal:** Dispose of in accordance with local, state, and federal regulations.

**US EPA Waste code(s):** D001 because of its ignitability if the product is disposed of in its original form.

## 14. TRANSPORTATION INFORMATION

**IMDG - Marine Pollutants** This product does not contain marine pollutants as classified by the International Maritime Organization.

**Emergency Response Guidebook 126 (ERG) No:**

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, hydrodesulfurized heavy	64742-82-1	30 - 40%	-
Xylenes (o-, m-, p- isomers)	1330-20-7	1 - 5%	100 lb
1,2,4-Trimethylbenzene	95-63-6	1 - 5%	-
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	1 - 5%	-
Ethyl benzene	100-41-4	0.1 - 1.5%	1000 lb
Corrosion inhibitor blend	Proprietary	10 - 20%	-
Propane/isobutane/N-butane	68476-86-8	40 - 50%	-

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

Ingredient	CAS Registry Number	Weight %	RQs
Naphtha, petroleum, hydrodesulfurized heavy	64742-82-1	30 - 40%	-
Xylenes (o-, m-, p- isomers)	1330-20-7	1 - 5%	-
1,2,4-Trimethylbenzene	95-63-6	1 - 5%	-

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## 15. REGULATORY INFORMATION

Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	1 - 5%	-
Ethyl benzene	100-41-4	0.1 - 1.5%	10 lbs.
Corrosion inhibitor blend	Proprietary	10 - 20%	-
Propane/isobutane/N-butane	68476-86-8	40 - 50%	-

### SARA (311/312) Classification:

**Acute health hazard:** Yes  
**Chronic health hazard:** Yes  
**Fire:** Yes  
**Sudden release of pressure:** Yes  
**Reactive:** No

### SARA (313) Toxic Chemicals

Ingredient	CAS Registry Number	Weight %	SARA (313) List
Naphtha, petroleum, hydrodesulfurized heavy	64742-82-1	30 - 40%	Not Listed
Xylenes (o-, m-, p- isomers)	1330-20-7	1 - 5%	X
1,2,4-Trimethylbenzene	95-63-6	1 - 5%	X
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	1 - 5%	Not Listed
Ethyl benzene	100-41-4	0.1 - 1.5%	X
Corrosion inhibitor blend	Proprietary	10 - 20%	Not Listed
Propane/isobutane/N-butane	68476-86-8	40 - 50%	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 does not comply 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 does not comply 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):

Revision number: 0

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**16. OTHER INFORMATION**

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

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

**Prepared by:** Karen M. Kuroda

**Revision number:** 0

**Revision date:** 06/25/2009

**Review date:** 08/11/2009

**Print date:** 08/11/2009

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