

MATERIAL SAFETY DATA SHEET

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

Telephone numbers:	(517) 546-4520
Manufacturer/Supplier:	CHEM-TREND LP P.O. BOX 860 HOWELL, MI 48844-0860
Product Name:	Lusin® Clean OH 311

2. HAZARDS IDENTIFICATION

Physical State:	Solid
Appearance:	Granular
Color:	Light yellow
Odor:	Light
Principle routes of exposure:	Skin, eyes, respiratory tract, gastrointestinal tract
See Toxicological Information (section 11)	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Registry Number	Weight %
Residual oils, petroleum, hydrotreated	64742-57-0	1 - 5%
Cleaner blend	Proprietary	90 - 100%

4. FIRST AID MEASURES

Skin contact:	Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and contact a physician
Inhalation:	Move to fresh air. If symptoms persist, contact a physician.
Ingestion:	Do not induce vomiting without medical advice. Contact a physician
Aggravated Medical Conditions:	No information available
Notes to physician:	No information available

5. FIRE-FIGHTING MEASURES

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Flash point:	662 °F , 350°C (Cleveland Open Cup, ASTM D92, ISO 2592)
Flame extension test, inches (aerosol products only):	Not applicable or no information available.
Suitable extinguishing media:	Product may burn under severe ignition conditions. Use foam, dry chemical, or carbon dioxide (CO2)
Unusual hazards:	None reasonably foreseeable
Special protective equipment for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific methods:	Standard procedure for chemical fires.
Explosive properties:	No information available.

6. ACCIDENTAL RELEASE MEASURES

Method(s) for cleanup:	
Small spills:	Soak up with inert absorbent material, then place in a properly labelled chemical waste container.
Large spills:	Dam up. Take up mechanically and collect in a suitable properly labelled chemical waste container for disposal.

7. HANDLING AND STORAGE

Handling:	
Technical measures/precautions: Ensure adequate ventilation.	
Safe handling advice:	Handle in accordance with good industrial hygiene and safety practice. Do not re-use empty containers for other materials. Normal measures of preventive fire protection.
Storage:	
Technical measures/storage conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible products:	Strong oxidizing agents, materials incompatible with water.
Other precautions:	None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS Registry Number	ACGIH TWA:	OSHA - TWA:	OSHA - Skin Notations	OSHA Z3 Mineral Dusts
Residual oils, petroleum, hydrotreated	64742-57-0	-	-	-	-
Cleaner blend	Proprietary	-	-	-	-

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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:	Not determined
Specific gravity:	~0.90
Bulk density (lb/gal):	~7.51
Vapor pressure in mm Hg at 20 °C (68 °F):	Negligible.
Vapor density (air = 1):	Negligible.
Evaporation rate:	Negligible.
Volatiles content (%):	Negligible.
Solubility in water:	Insoluble
pH of concentrate:	Not applicable.
Melting point/range:	320 - 329 °F , 160 - 165 °C (DIN ISO 2176)
Flash point:	662 °F , 350°C (Cleveland Open Cup, ASTM D92, ISO 2592)
Flammability limits in air:	Not applicable.

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10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	None known
Materials to avoid:	Strong oxidising agents.
Hazardous decomposition products:	Carbon oxides
Polymerization:	Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information:

Ingredient	CAS Registry Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Residual oils, petroleum, hydrotreated	64742-57-0	-	-	-
Cleaner blend	Proprietary	-	-	-

Acute effects

Product contains proprietary ingredients. Health hazards are listed below.

Skin contact:	May cause skin irritation
Eye contact:	May cause eye irritation
Inhalation:	May cause irritation of respiratory tract
Ingestion:	Ingestion may cause gastrointestinal irritation
Sensitization:	No information available.
Other effects:	No information available.

Chronic effects

Carcinogenic effects:

Ingredient	CAS Registry Number	NTP:	IARC:	OSHA:
Residual oils, petroleum, hydrotreated	64742-57-0	No	No	No
Cleaner blend	Proprietary	No	No	No

Mutagenic effects:	No information available
Reproductive toxicity:	No information available
Target organ effects:	No information available.

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12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available

13. DISPOSAL CONSIDERATIONS

Method(s) of disposal: Dispose of in accordance with local, state, and federal regulations. This product does not fall under current EPA RCRA definitions of hazardous waste.

US EPA Waste code(s): None.

14. TRANSPORTATION INFORMATION

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

Emergency Response Guidebook (ERG) No: No information available.

Mode of Transportation:	UN/NA ID No:	Proper shipping name:	Technical name:	Hazard Class:		Packing group:
DOT - Non-Bulk	-	Not regulated	-	-		-
DOT - Bulk	-	Not regulated	-	-		-
Canadian TDG	-	Not regulated	-	-		-
ICAO/IATA	-	Not regulated	-	-		-
IMO/IMDG	-	Not regulated	-	-		-

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
Residual oils, petroleum, hydrotreated	64742-57-0	1 - 5%	-
Cleaner blend	Proprietary	90 - 100%	-

SARA (302) Extremely Hazardous Substances and RQs

Ingredient	CAS Registry Number	Weight %	RQs
Residual oils, petroleum, hydrotreated	64742-57-0	1 - 5%	-
Cleaner blend	Proprietary	90 - 100%	-

SARA (311/312) Classification:

15. REGULATORY INFORMATION

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

SARA (313) Toxic Chemicals

Ingredient	CAS Registry Number	Weight %	SARA (313) List
Residual oils, petroleum, hydrotreated	64742-57-0	1 - 5%	Not Listed
Cleaner blend	Proprietary	90 - 100%	Not Listed

International Inventories

Australia:	All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).
Canada:	This product complies with DSL
China:	This product complies with CLECS.
Europe:	This product complies with EINECS
Japan:	This product complies with ENCS/MITI.
Korea:	Listed on ECL.
New Zealand:	This product complies with NEWZ
Philippines:	This product complies with PICCS.
United States:	This product complies with TSCA.

16. OTHER INFORMATION

Hazardous Material Information System (USA):

Health: 1 **Flammability:** 0 **Physical hazard:** 0 **Personal Protection code:** B

National Fire Protection Association (USA):

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

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

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Disclaimer

16. OTHER INFORMATION

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