

Issue Date 26-May-2015

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Version 1

1. IDENTIFICATION**Product identifier****Product Name** CHEMLUBE® T**Other means of identification****Product Code** 703440**Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended Use** Process aid for rubber.**Uses advised against** No information available**DISTRIBUTED BY: R.E. CARROLL, INC.****1570 NORTH OLDEN AVENUE****TRENTON, N.J. 09638-3204****PH: 609-695-6211/800-257-9365****FAX: 609-695-0102****www.recarroll.com****Details of the supplier of the safety data sheet****Supplier Address**

H.L. Blachford Ltd.

2323 Royal Windsor Drive, Mississauga, ON L5J 1K5 Canada

(905)-823-3200

Emergency telephone number**Emergency Telephone**

Chemtrec: 1-800-424-9300/1-703-741-5970

2. HAZARDS IDENTIFICATION**Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Combustible dust

Yes

Label elements**Emergency Overview****Warning****Hazard statements**

May form combustible dust concentrations in air

Appearance flakes**Physical state** Solid**Odor** Slight**Hazards not otherwise classified (HNOC)**

Not applicable

Other Information

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance**

Not applicable

Mixture**Chemical nature**

Blend of wax and zinc soaps.

Chemical Name	CAS No.	Weight-%
Fatty acids, C8-18 & C18 unsat'd, zinc salts	67762-34-9	< 80 %
Paraffin wax	8002-74-2	< 25 %

4. FIRST AID MEASURES**Description of first aid measures**

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Wash skin with soap and water.

Inhalation Remove to fresh air.

Ingestion Not an expected route of exposure.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Dry chemical, CO2, alcohol-resistant foam or water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Use water spray or fog; do not use straight streams.

Specific hazards arising from the chemical

May form explosive mixtures with air.

Hazardous combustion products Carbon oxides. Zinc oxide fumes.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal precautions Avoid creating dust.

Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment Prevent dust cloud.

Methods for cleaning up Sweep up and shovel into suitable containers for reuse or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid generation of dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong oxidizing agents. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Paraffin wax 8002-74-2	TWA: 2 mg/m ³ fume	(vacated) TWA: 2 mg/m ³	TWA: 2 mg/m ³ fume

Appropriate engineering controls

Engineering Controls
Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection No special technical protective measures are necessary.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid	Odor	Slight
Appearance	flakes	Odor threshold	No information available
Color	beige		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	No information available		
Melting point / freezing point	93 - 108 °C		
Boiling point / boiling range	No information available		
Flash point	250 °C	Cleveland Open Cup	
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		

Vapor pressure	No information available
Vapor density	No information available
Relative density	~ 1.0
Water solubility	negligible
Solubility in other solvents	No information available
Partition coefficient	< 1
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	May form explosive mixtures with air
Oxidizing properties	No information available

Other Information

Softening point	101 C
Molecular weight	No information available
VOC Content (%)	< 1% moisture
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to avoid

Dust formation. Temperatures above melting point.

Incompatible materials

Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Product Information	Primary routes of exposure: inhalation, skin and eye contact Product does not present an acute toxicity hazard based on known or supplied information
Inhalation	Inhalation of dust in high concentration may cause irritation of respiratory system.
Eye contact	Contact with eyes may cause irritation.
Skin contact	No known hazard in contact with skin.
Ingestion	No known effect. Not an expected route of exposure.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Fatty acids, C8-18 & C18 unsat'd, zinc salts 67762-34-9	> 5,000 mg/kg	> 2,000 mg/kg	> 200 mg/L
Paraffin wax 8002-74-2	> 3750 mg/kg (Rat)	> 3600 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms	No information available.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Not applicable.
Serious eye damage/eye irritation	Not applicable.
Sensitization	None known.
Germ cell mutagenicity	None known.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards.
STOT - single exposure	None known.
STOT - repeated exposure	None known.
Aspiration hazard	Not applicable.

Numerical measures of toxicity - See above component information**12. ECOLOGICAL INFORMATION****Ecotoxicity****Persistence and degradability**

Not readily biodegradable.

Bioaccumulation

Not expected to bioaccumulate.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes	Dispose of in accordance with federal, state and local regulations.
Contaminated packaging	Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Fatty acids, C8-18 & C18 unsat'd, zinc salts 67762-34-9	Toxic

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO (air)</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated

ADR

Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Fatty acids, C8-18 & C18 unsat'd, zinc salts - 67762-34-9	1.0

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Fatty acids, C8-18 & C18 unsat'd, zinc salts 67762-34-9	-	X	-	-

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Fatty acids, C8-18 & C18 unsat'd, zinc salts	X	-	X

67762-34-9			
Paraffin wax 8002-74-2	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**HMIS**

Health hazards 0

Flammability 1

Physical hazards 0

Personal protection B

Prepared By

G. Seagrave

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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