

1. IDENTIFICATION AND USE OF THE PRODUCT AND SUPPLIER

PRODUCT NAME
USAGE:

LC-2010
Industrial Degreaser

Maker



LIBERCHEM Inc.
572 Avenue Orly, Dorval
Quebec, Canada
H9P 1E9
Tel: 514 631-7177

EMERGENCY PHONE

Poison Control Centre (Quebec): 1 (800) 663-5060
CANUTEC: (613) 996-6666

2. IDENTIFICATION OF HAZARDS

• Risk classification of the substance - Hazard statement

- Oil-soaked materials, such as rags, paper, and clothing, can cause spontaneous combustion (fire). Place the soaked material in a sealed metal container to prevent this. The product does not contain any substances that, at its given concentration, are considered hazardous to health
- Avoid contact with skin. Frequent or prolonged contact can cause skin irritation and allergic reactions.
- This product is not regulated; it is not classified according to the Globally Harmonized System (GHS)

• Labeling Element

- Not applicable

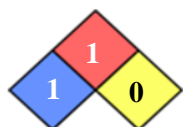
• Precautionary Advice

- Not applicable

The mixture consists of ingredients of unknown toxicity.

Dispose of container contents in accordance with national, international, regional and local regulations.

NFPA Classification System - scale (0-4)



Santé = 1
Inflammability = 1
Instability : 0

HMIS - echelle (0-4)

HEALTH	1
FLAMMABILITY	1
PHYSICAL DANGER	0

3. COMPOSITION / COMPONENT INFORMATION

HAZARDOUS INGREDIENTS

Chemical Name: Mixtures

Description: Mixture of the substances listed below with non-hazardous additions

CASE	Hazardous Component	% Mass
617790-12-3	Tall oil fatty acids	5 – 10

4. FIRST AID

INHALATION: Bring the victim to fresh air. If the victim is no longer breathing, perform artificial respiration. If breathing is difficult, give oxygen and seek medical attention immediately.

SKIN Low toxicity, wash with warm water and soap. Frequent or prolonged contact can cause skin irritation and allergic reactions.

EYES In case of contact with eyes, rinse immediately with plenty of water. If irritation persists, seek medical attention

INGESTION: **DO NOT INDUCE VOMITING.** May contain petroleum distillates and/or aromatic solvents. Seek medical attention immediately

- Most significant symptoms and effects (acute and delayed): (Refer to section 11) -No other important information available

5. FIRE-FIGHTING MEASURES

- EXTINGUISHING MEANS:** Use appropriate means; Water mist, chemical powder, dry powder, carbon dioxide, foam, use to local conditions and immediate environment.
- INAPPROPRIATE EXTINGUISHING AGENTS:** Do not use a water jet as a fire extinguisher, as this could spread the fire.
- HAZARDS SPECIFIC TO HAZARDOUS PRODUCT OR MIXTURE:** Thermal decomposition may result in the release of irritating gases and vapors. Upon decomposition, this product emits carbon monoxide, carbon dioxide, and/or low molecules. Hydrocarbons
 - SPECIAL PROTECTIVE EQUIPMENT AND SPECIAL PRECAUTIONS FOR FIREFIGHTERS:** Use personal protective equipment. Use standard firefighting procedures and consider the hazards of other materials involved.
 - General fire hazards porous materials such as rags, paper, insulation, or organic clay can spontaneously ignite if wet with this material

6. MEASURES IN THE EVENT OF AN ACCIDENTAL SPILL

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY MEASURES: Wear protective equipment, keep unprotected people away. (Refer to section 8 for personal protection). and section 13 for product disposal data.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING: Eliminate all sources of ignition. Contain if necessary to prevent the product from spilling into sewers and waterways. Contain the liquid with sand, silica gel, universal clumping, or soil. Do not use combustible products such as sawdust. Recover by pumping or using an absorbent.
- Use adequate ventilation. (Refer to section 13 for product disposal).

7. HANDLING AND STORAGE

- SAFE HANDLING PRECAUTIONS: Protect from open flames, ignition sources The workplace must be well ventilated to prevent the formation of vapours. CAREFUL! Risk of causing skin irritation. Wear recommended protective equipment. Keep containers tightly closed when not in use.
- INCOMPATIBLE STORAGE AND EQUIPMENT SAFETY CONDITIONS: Store in a cool, dry, well-ventilated area, away from heat and ignition sources. Keep away from incompatible materials. Store according to the appropriate industry standards.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- CONTROL PARAMETERS,

COMPONENTS WITH OCCUPATIONAL EXPOSURE LIMIT VALUES	
Tall oil fatty acid	
TWA (OSHA)	5 mg/m ³ (respiratory fraction)
TLV (ACGIH)	STEL (10 mg/m ³) TWA (5 mg/m ³) Fog, breathable

- APPROPRIATE ENGINEERING MEASURES: Ensure adequate ventilation, especially in enclosed areas. Local exhaust ventilation, or any other technical means of control to keep levels of suspended substances below exposure limits. Emergency eyewash stations and showers must be available in the workplace while handling this product.
- If exposure exceeds occupational exposure limits, wear an appropriate respirator approved by NIOSH. In the event of a spill or leak, when the concentration of the product is unknown, wear a NIOSH-approved supplied air respirator.
- PERSONAL PROTECTIVE MEASURES:

GLOVES: Waterproof gloves



EYES: Protective eyewear



RESPIRATORY: Cartridge mask as needed



OTHER: Protective clothing



9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear liquid – viscous
SMELL	Characteristic
OLFACTORY SMELL	Not available
RELATIVE DENSITY:	0.900 – 1.000 @ 25°C.
MELTING POINT	Not available
POINT OF EBULLITION	>100°C.
FREEZING POINT:	~ 0°C.
EVAPORATION RATE (n-Butyl Acetate=1):	<1
FLAMMABILITY (Solid, Gas)	Not applicable
LOWER FLAMMABILITY LIMITS	Not available
UPPER FLAMMABILITY LIMITS	Not available
VAPOUR PRESSURE (20 °C)	< 0.001 mm Hg
WATER SOLUBILITY	Disperse
STEAM DENSITY	Not available
PARTITION COEFFICIENT (n-octanol/water)	Not available
TEMPERATURE DE DECOMPOSITION	Not available
Brookfield Viscosity	approx. 20 cps

10. STABILITY. AND RESPONSIVENESS

- RESPONSIVENESS
 - CHEMICAL STABILITY
 - RISK OF DANGEROUS REACTIONS
 - CONDITIONS TO AVOID
 - INCOMPATIBLE MATERIALS
 - HAZARDOUS DECOMPOSITION PRODUCTS
- Stable under normal conditions
No known hazardous reactions under normal use.
keep away from open flames, strong oxidizers
Strong oxidizing agents.
Thermal decomposition can result in the release of irritating gases and vapors, monoxide (CO), carbon dioxide (CO₂),
And other combustion products.

11. TOXICOLOGICAL DATA

- INFORMATION ON TOXIC EFFECTS,

HEALTH EFFECTS

Contact with eyes, Direct contact may cause temporary irritation.
Skin contact: No adverse effects are expected.
Prolonged inhalation can be harmful
Ingestion: Likely to be a low risk of ingestion.

CHRONICLE EXHIBITION

No known symptoms

CARCINOGENICITY

The product is not considered a carcinogen by the CRI, ACGIH, NTP or OSHA.

MUTAGENICITY

Data not available

TERATOGENICITY

Data not available

Acute toxicity

LD50 oral absorption: > 10000 mg/kg (Albino Sprague-Dawley rat) > 14 days at this dose, no death occurred.
LD50 dermal absorption: (> 2000 mg/kg (Rat-Albino > 2000 mg/kg, 14 days at this dose, no death occurred.
Awareness: Data not available
Repeated-dose toxicities: Data not available

12. ECOLOGICAL DATA

ECOTOXICOLOGY

The product is not classified as hazardous to the environment. However, this does not preclude the possibility that large or frequent spills could have a harmful or damaging effect on the environment.

PERSISTENCE AND DEGRADATION

Easily biodegradable

POTENTIAL FOR BIOACCUMULATION/MOBILITY IN SOIL

Data not available

OTHER ADVERSE EFFECTS

Data not available

13. PRODUCT DISPOSAL DATA

Dispose of this product and its container at a hazardous or special waste collection centre. Do not allow the substance to seep into sewers/water supply lines. Destroy in accordance with all applicable regulations

WASTE RESIDUES / UNUSED PRODUCTS

Dispose of in accordance with all local, provincial and federal regulations.

14. TRANSPORTATION INFORMATION

Number one

TMD, DOT, IMDG, IATA

Legal designation for transport

Transport hazard class

Packing Group

Environmental hazards

Unregulated

Unregulated

Non-Dangerous Goods

Unregulated

No

15. REGULATORY INFORMATION

Product As Sold

WHMIS Classification

Unregulated

The components of this product are listed in the following inventories

- Canadian Domestic Substances List (DSL):** All components of this product are listed on the Canadian Domestic Substances List (DSL).
- U.S. TSCA Inventory:** In the TSCA Inventory

Safety data sheet

Date of Issue 18/04/2025
Version 3.0
Prepared by Regulatory Affairs Department.

We have characterized the general risks of the product according to *the USE WE RECOMMEND FOR THIS PRODUCT*.

Any use that does not conform to our recommendations may affect the risk characterization.

This MSDS contains health and safety information. The product is to be used in applications that are consistent with our product documentation. Anyone handling this product should be informed of the precautions to be taken with respect to the product and should have access to this information. For all other uses, exposures must be assessed to allow for the implementation of handling practices and training programs that can ensure safety in the workplace. For more information, please speak to your technical representative.

DISCLAIMER: The above information is based on data believed to be accurate. No warranty, express or implied, is based with respect to this data or information. It is the user's responsibility to determine whether the product is suitable for the intended conditions of use.