

Safety Data Sheet

according to WHS Regulations

Printing date 10.09.2018

Revision: 10.09.2018

1 Identification

Product Name: LOVELAND PRODUCTS LI-700 SURFACTANT

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:

Adjuvant - acidifying and penetrating surfactant

Details of Manufacturer or Importer:

Landmark Operations Limited
Suite 3, Level 1, Building B
11 Talavera Road
Macquarie Park NSW 2113

Phone Number: 02 9889 5400

Emergency telephone number: National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



corrosion

Skin Corrosion/Irritation 1B H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.

Signal Word Danger

Hazard Statements

H314 Causes severe skin burns and eye damage.

Precautionary Statements

P260 Do not breathe dusts or mists.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

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Hazardous Components:		
CAS: 79-09-4	Propionic acid  Flammable Liquids 3, H226;  Acute Toxicity (Dermal) 3, H311;  Skin Corrosion/Irritation 1B, H314	35%
CAS: 26027-38-3	Polyoxyethylated p-nonylphenol  Aquatic Chronic 2, H411;  Acute Toxicity (Oral) 4, H302; Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319; Aquatic Acute 2, H401	10-30%

4 First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin irritation, immediately remove contaminated clothing and wash affected areas with water and soap. Seek immediate medical attention.

Eye Contact:

In case of eye irritation, hold eyelids open and rinse with water for 15 minutes. Seek immediate medical attention.

Ingestion:

If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: Inhalation of vapours or mists may cause irritation of the nose, throat and lungs, sore throat, coughing and breathing difficulties.

Skin Contact: Causes severe skin burns and irritation.

Eye Contact: Causes serious eye damage. May cause redness, tearing and pain. The vision may become blurred. May cause permanent damage.

Ingestion: May cause soreness and redness of the mouth and throat, nausea and stomach pain.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon, nitrogen and phosphorous.

Combustible liquid Class 2.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear an approved respiratory protection and protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

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Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.
Collect the spilled material and place into sealable open-top type containers for disposal.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area and heat. Keep in original container tightly closed when not in use. Protect from direct sunlight. Do not store below 5°C. Keep away from alkaline materials.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 79-09-4 Propionic acid**WES | TWA: 30 mg/m³, 10 ppm**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection:

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC or rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Dark brown
Odour:	Vinegar-like odour
Odour Threshold:	No information available
pH-Value at 25 °C:	3.6 (1 % solution)
Melting point/freezing point:	No information available

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Initial Boiling Point/Boiling Range:	No information available
Flash Point:	>120 °C
Flammability:	Combustible Liquid Class 2
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density:	1.027
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Emulsifies into water.
Partition Coefficient (n-octanol/water):	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces and direct sunlight.

Incompatible Materials: Alkaline materials.

Hazardous Decomposition Products: Oxides of carbon, nitrogen and phosphorous.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

CAS: 79-09-4 Propionic acid

Oral	LD ₅₀	2600 mg/kg (rat)
Dermal	LD ₅₀	500 mg/kg (rabbit)

For the similar formulation:

LD50 (Oral) >5000 mg/kg (rat)

LD50 (Dermal) >5000 mg/kg (rat)

LC50/4 h (Inhalation) >6.04 mg/L (rat)

Acute Health Effects

Inhalation:

Inhalation of vapours or mists may cause irritation of the nose, throat and lungs, sore throat, coughing and breathing difficulties.

Skin: Causes severe skin burns and irritation.

Eye:

Causes serious eye damage. May cause redness, tearing and pain. The vision may become blurred. May cause permanent damage.

Ingestion: May cause soreness and redness of the mouth and throat, nausea and stomach pain.

Skin Corrosion / Irritation: Causes severe skin burns.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

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Carcinogenicity: This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available

12 Ecological Information

Ecotoxicity: No further relevant information available.**Aquatic toxicity:** No further relevant information available.**Persistence and Degradability:** Biodegradable.**Bioaccumulative Potential:** Bioaccumulation is not expected to occur.**Mobility in Soil:** Readily absorbed into soil.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated**Marine pollutant:** Yes

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 8002-43-5 Lecithins

CAS: 79-09-4 Propionic acid

CAS: 26027-38-3 Polyoxyethylated p-nonylphenol

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

16 Other Information

Date of Preparation or Last Revision: 10.09.2018**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 3: Flammable liquids – Category 3

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Acute Toxicity (Dermal) 3: Acute toxicity – Category 3

Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”

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