

Material Safety Data Sheet

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Issue date:December 2009

Erlease LP 57D

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Erlease LP 57D

Synonym:

Use: Polyurethane release Agent

Era Polymers Pty Ltd

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Banksmeadow NSW 2019

Australia

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Emergency Advice All Hours:

Technical Manager +61 2 9666 3788

2. HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO EU CRITERIA

Hazard Category: Harmful (Xn), Irritant (Xi)

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOOD

RISK PHRASES

R11 Highly flammable

R38 Irritating to skin.

R50 Very toxic to aquatic organisms.

R53 May cause long term adverse effects in the aquatic environment.

R65 Harmful: May cause lung damage if swallowed.

SAFETY PHRASES

S9 Keep container in a well ventilated place.

S16 Keep away from sources of ignition - No smoking.

S29 Do not empty into drains.

S33 Take precautionary measures against static discharge.

S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately and show this container or label.

S53 Avoid exposure - obtain special instructions before use.

S60 This material and/or its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

S62 If swallowed, do not induce vomiting; Seek medical advice immediately and show this container or label.

Poison Schedule: S6 [Aust]

This material is a Scheduled **S6** Poison and must be stored, handled and used according to the appropriate regulations..

Warning Statement:

[to be filled in].

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
HEPTANE	Greater than 60%	142-82-5

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NAPHTHA (PETROLEUM), HYDROTREATED LIGHT [LOW BOILING POINT HYDROGEN TREATED NAPHTHA] (Below Cutoff) 1 to 10% 64742-49-0

All other ingredients not hazardous according to EU Criteria.

4. FIRST AID MEASURES

Swallowed:

Rinse mouth with water. If victim is conscious and alert, give 1-2 glasses of water or milk. Do not induce vomiting unless directed by medical personnel due to risk of lung damage. Never give anything by mouth to an unconscious or convulsing person. Call a physician immediately.

Eye:

Immediately flush with copious amounts of water for at least 15 minutes. Get medical attention.

Skin:

Wash material off skin with copious amounts of soap and water. If irritation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

Inhaled:

Remove victim to fresh air. If cough or other respiratory symptoms develop, get medical attention. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

First Aid Facilities:

Eye wash fountain, safety shower and normal washroom facilities.

Advice to Doctor:

Treat symptomatically.

In case of poisoning, contact Poisons Information Centre

In Australia call Tel: 131126

In New Zealand Tel: 034747000

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide or alcohol-resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: Respiratory and eye protection required for fire-fighting personnel. Full protective equipment and a self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapours from this product may travel or be moved by air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge or other ignition sources at locations distant from the point of handling.

HAZCHEM CODE: 3[Y]E [Aust]

FLAMMABILITY

Highly flammable liquid. Avoid all sources of ignition, heat and naked flames. Vapours may travel a considerable distance to source of ignition and ignite.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area of leak or spill. Clean-up personnel may require protection from inhalation of vapour (see Section 8 for PPE).

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SPILLS: Spills or leaks are to be diked or otherwise contained to prevent spreading and/or entry into a drain or catch basin. If possible, the spilled liquid should be pumped or otherwise transferred to a waste container. Residual liquid should be absorbed and containerised in a separate container.

7. HANDLING AND STORAGE

Avoid skin and eye contact. Avoid breathing vapour. Keep container closed. Store in a cool, dry, well-ventilated place away from all incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No exposure standards are available for this product, however, the following exposure standards have been assigned by [NOHSC] to the following components of the product:

HEPTANE

(Worksafe Australia)

[TWA]400 ppm 1,640 mg/m³

[STEL]500 ppm 2,050 mg/m³

References: H

(ACGIH)

[TWA]400 ppm 1,640 mg/m³

[STEL]500 ppm 2,050 mg/m³

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT [LOW BOILING POINT HYDROGEN TREATED NAPHTHA] (Below Cutoff)

No exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC)

Engineering Controls

Highly flammable liquid. Maintain adequate ventilation at all times. The use of local exhaust ventilation is recommended to control below threshold limit value. Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition.

Personal Protection Equipment

CLOTHING: Wear impervious protective clothing including boots, gloves, apron or coveralls to prevent skin contact..

GLOVES: Wear impervious protective gloves to prevent skin contact.

EYES: Use chemical safety goggles or face shield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of vapours/gases. Select and use respirators in accordance with AS/NZS 1715/1716. When gases exceed the exposure standards then the use of a half-face respirator with organic vapour cartridge is recommended. For high concentration use an atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus, complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	hazy liquid
Boiling Point Melting Point:	98-99C
Vapour Pressure:	not determined]
Specific Gravity:	0.69

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Flash Point: -4C
Flammability Limits: LEL 1.1 Vol
UEL 6.7 Vol
Solubility in Water: Insoluble

Other Properties

None

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS:

Emits oxides of carbon when heated to decomposition.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITIES:

Reacts with oxidising agents/acid/alkalis/amines/alcohols.

CONDITIONS TO AVOID:

Heat, flames, ignition sources and incompatibles.

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

ACUTE HEALTH EFFECTS:

Swallowed:

Harmful if swallowed.

Vomiting, may cause this product to be aspirated into the lungs, which may lead to chemical pneumonitis.

Eye:

May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.

Skin:

Will cause irritation to the skin, with effects including; Redness, itchiness, and possible dermatitis.

Inhaled:

May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and loss of co-ordination.

Chronic:

Prolonged or repeated skin contact may lead to dermatitis.

Prolonged or repeated exposure or deliberately concentrating and inhaling the vapour(s) may result in lung function incapacity or death.

Toxicological Data:

There is no other toxicological information available for this product.

12. ECOLOGICAL INFORMATION

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Ecotoxicity:

Not determined

Mobility:

Insoluble in water

Persistence / Degradability:

N heptane is readily bio degradable

Chemical Fate Information:

This substance is Very Toxic to aquatic organisms

This substance may cause long term adverse effects in the aquatic environment.

This substance may cause long term adverse effects in the environment

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for disposal by approved waste disposal agent.

14. TRANSPORT INFORMATION

Road Transport

UN Number: 1993

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Heptane)

Dangerous Goods Class: 3

Packing Group: II

Label: Harmful (Xn), Irritant (Xi)

Air Transport

UN Number: 1993

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Heptane)

Dangerous Goods Class: 3

Packing Group: II

Label: Harmful (Xn), Irritant (Xi)

Sea Transport

UN Number: 1993

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Heptane)

Dangerous Goods Class: 3

Packing Group: II

Label: Harmful (Xn), Irritant (Xi)

15. REGULATORY INFORMATION

Poison Schedule: S6 [Aust]

Inventory Status:

Inventory *Status*

Australia (AICS)

Y

Y = all ingredients are on the inventory.

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16. OTHER INFORMATION

Date of Preparation:

Issue date: 18/12/2009

Supersedes: [to be filled in]

Reasons for Update:

[to be filled in]

Key Legend Information:

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

EPA - Environmental Protection Agency [Int]

NIOSH - National Institute for Occupational Safety and Health [US]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

AS/NZS 1716 - Respiratory protective devices. [Aust/NZ]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EU - European Union

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Removal of the heading of *Poison Schedule [Aust]*, in section 3 and 15 of this Material Safety Data Sheet (MSDS) makes this a valid health and safety document in other international jurisdictions/countries. For full compliance please contact your Federal, State or Local regulators for further information.

Disclaimer

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.

Principal References:

Information supplied by manufacturer, reference sources including the public domain.

END OF MSDS