

**Poly(ethyl vinyl ether) 50% in D40
solvent / LUTA-5050L****Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name: Poly(ethyl vinyl ether) 50% in D40 solvent /
LUTA-5050L
CAS Number: 25104-37-4 & 64742-47-8

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use: Laboratory research use only

1.3 Details of the supplier of the safety data sheet

Company name: East Harbour Group Ltd
20 Clough Road, Severalls Industrial Park
Colchester, Essex, CO4 9QS
United Kingdom

Telephone: +44 (0) 333 242 0100
Email: info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone: 0800 246 1274

Section 2: Hazardous identification**2.1 Classification of the substance or mixture**
OSHA Haz Com: CFR 1910.1200

Acute Toxicity - Oral [Category 3]
Acute Toxicity - Dermal [Category 3]
Acute Toxicity - Inhalation [Category 3]
Skin Corrosion/Irritation [Category 2]
Eye Damage/Irritation [Category 2A]

2.2 Label elements

Pictogram



Signal Word

Danger

Hazard Statement(s)

Causes serious eye irritation.
Causes skin irritation.
Toxic if swallowed.
Toxic in contact with skin.
Toxic if inhaled.



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Precautionary Statement(s):

[Prevention]

Do not eat, drink or smoke when using this product. Wash hands and face thoroughly after handling. Wear protective gloves and protective clothing. Do not breathe dusts or mists. Use only outdoors or in a well-ventilated area. Wear protective gloves. Wear eye and face protection.

[Response]

If swallowed: Immediately call a poison center or doctor. Rinse mouth. If on skin: Wash with plenty of water. Call a poison center or doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

[Storage]

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

[Disposal]

Dispose of contents and container in accordance with US EPA guidelines for the classification and determination of hazardous waste listed in 40 CFR 261.3. (See Section 13)

Section 3: Composition/information on ingredients

Substance/Mixture	Substance
Components 1	Poly(ethyl vinyl ether)
Percent	48-52%
CAS Number	25104-37-4
Molecular Weight	72.11
Chemical Formula	C4H8O
Components 2	Naphtha (petroleum), hydrotreated light (D40 solvent)
Percent	48-52%
CAS Number	64742-47-8
Molecular Weight	No data available
Chemical Formula	No data available

Section 4: First aid measures

4.1 Description of first aid measures

Inhalation

Immediately call a poison center or doctor. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Skin contact

Immediately call a poison center or doctor. Remove and wash contaminated clothing before re-use. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.



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Eye contact

IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Contact with material may irritate or burn eyes. Call emergency medical service. Move victim to fresh air. Check for and remove any contact lenses. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Ingestion

Toxic if swallowed. Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. Do not use mouth-to-mouth method if victim ingested the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Loosen tight clothing such as a collar, tie, belt or waistband. If a person vomits place them in the recovery position so that vomit will not re-enter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Symptoms/effects

Acute

Redness.

Delayed

No data available.

Immediate medical attention

WARNING: It might be dangerous to the person providing aid to give mouth-to-mouth respiration, because the inhaled material is toxic. If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Section 5: Fire-fighting measures

5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media

Dry chemical, CO₂ or water spray. Consult with local fire authorities before attempting large scale fire fighting operations

Specific hazards arising from the chemical

Hazardous combustion products

These products include: Carbon oxides Nitrogen oxides Halogenated compounds

Other specific hazards:

WARNING Highly toxic HCl gas is produced during combustion.

Special precautions for fire-fighters

Use water spray or fog; do not use straight streams. Dike fire-control water for later disposal; do not scatter the material. Containers may explode when heated. Move containers from fire area if you can do it without risk.

Special protective equipment for fire-fighters

Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. Wear chemical



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protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8). Warn unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Personal protective equipment

Wear eye protection (splash goggles) and face protection (full length face shield). Lab coat. Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear protective gloves (nitrile)

Emergency procedures

Prevent dust cloud. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Warn personnel to move away. Prevent entry into sewers, basements or confined areas; dike if needed.

Methods and materials for containment and cleaning up

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material.

Environmental precautions

Keep away from living quarters. Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.

Section 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling

Avoid inhalation of vapor or mist. Do not ingest. Avoid contact with skin and eyes. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition.

Conditions for safe storage

Store locked up. Keep containers tightly closed in a cool, well-ventilated place. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods.

Storage incompatibilities

Store away from oxidizing agents.

Section 8: Exposure controls/personal protection



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8.1 Control parameters

Exposure limits

No data available

Appropriate engineering controls

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal protective equipment

Respiratory protection

Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Hand protection

Nitrile gloves.

Eye protection

Safety glasses.

Skin and body protection

Lab coat.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Colorless to light yellow viscous transparent liquid
Melting point	No data available
Boiling point	No data available
Flash point	~45°C (Closed cup)
Relative density	~0.85g/cm ³ @20°C
Kinematic Viscosity	5,000 - 20,000@23°C, mPa·s
Partition coefficient	No data available
Flammability (solid, gas)	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	No data available
Possibility of Hazardous Reactions	No data available
Conditions to avoid	No data available
Incompatible materials	No data available
Hazardous Decomposition Products	No data available

Section 11: Toxicological Information

Acute Toxicity

No data available



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Skin corrosion / irritation

No data available

Serious eye damage / irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

IARC

No data available

NTP

No data available

OSHA

No data available

Reproductive toxicity

No data available

Routes of Exposure

Inhalation, Eye contact, Ingestion, Skin contact.

Symptoms related to exposure

Overexposure may result in serious illness or death. Skin contact may result in inflammation; characterized by itching, scaling, reddening, or occasionally blistering. Skin contact may result in redness, pain or dry skin. Eye contact may result in redness or pain.

Potential Health Effects

Skin and eye contact may result in irritation.

Target organ(s)

No data available

Section 12: Ecological Information

12.1 Toxicity

Ecotoxicity

Fish

No data available

Crustacea

No data available



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Algae

No data available

Persistence and degradability

No data available

Bioaccumulative potential (BCF)

No data available

Mobility in soil

No data available

Partition coefficient n-octanol/water (log Pow)

No data available

Soil adsorption (Koc)

No data available

Henry's Law constant (PaM³/mol)

No data available

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal of product

Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil.

Disposal of container

Dispose of as unused product. Do not re-use empty containers.

Other considerations

Observe all federal, state and local regulations when disposing of the substance.

Section 14: Transport Information

DOT (US)

UN number	UN1866
Proper Shipping Name	Poly(ethyl vinyl ether) 50% in D40 solvent
Class or Division	3
Packing Group	II

IATA

UN number	UN1866
Proper Shipping Name	Poly(ethyl vinyl ether) 50% in D40 solvent



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Class or Division 3
 Packing Group II

IMDG

UN number UN1866
 Proper Shipping Name Poly(ethyl vinyl ether) 50% in D40 solvent
 Class or Division 3
 Packing Group II

Section 15: Regulatory Information

Toxic Substance Control Act (TSCA 8b.)

This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

- (i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.
- (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on a SDS sheet.

US Federal Regulations

CERCLA Hazardous substance and Reportable Quantity

SARA 313 Not Listed
 SARA 302 Not Listed

State Regulations

State Right-to-Know

Massachusetts Not Listed
 New Jersey Not Listed
 Pennsylvania Not Listed
 California Proposition 65 Not Listed

Other Information

NFPA Rating
 Health 2
 Flammability 0
 Physical 0

HMIS Classification

Health 2
 Flammability 0
 Instability 0

International Inventories

WHMIS hazard class

D1B: Materials causing immediate and serious toxic effects. (Toxic)
 D2B: Materials causing other toxic effects. (Toxic)