



## Safety data sheet

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name: Lithomex L50 - Komponent A

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

Recommended uses: Binding agents.

#### 1.3. Details of the supplier of the safety data sheet

Lervejdal 14 D, Addit  
DK-8740 Brædstrup  
Tlf. 86 22 11 22  
CVR. 37 39 48 74  
info@lithomex.dk  
www.lithomex.dk

#### 1.4. Emergency telephone number

Emergency telephone comments: 0870 600 6266 (UK only) Only available to health professionals.  
The emergency telephone is open 24 hours.

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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

DPD-classification (Directive 1999/45/EC): Xi;R36/38 ;R43 N;R51/53

*Please see section 16 for the full text of R-phrases and H-phrases.*

Most serious harmful effects: Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements



Irritant



Dangerous for the environment

Contains: Reaction product: bisphenol-A-(epichlorhydrin); Phenol, polymer with (Chloromethyl)oxirane and formaldehyde; Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Hazard designation: Irritant; Dangerous for the environment

R-phrases: Irritating to eyes and skin.(R36/38)  
May cause sensitisation by skin contact.(R43)

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.(R51/53)

S-phrases: Avoid contact with skin.(S24)  
Wear suitable gloves.(S37)  
Avoid release to the environment. Refer to special instructions/safety data sheet.(S61)

Other labelling: Contains epoxy constituents. See information supplied by the manufacturer.

### 2.3. Other hazards

Assessment to determine PBT and vPvB has not been made. When mixing two components, consult the safety data sheets for both components.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Registration number	CAS/EC Number	Substance	DSD-classification (Directive 67/548/EEC)/CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	25068-38-6	Reaction product:	Xi;R36/38 R43 N;R51/53	50-100	8
.	500-033-5	bisphenol-A-(epichlorhydrin)	Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317	.	.
.	.	.	Aquatic Chronic 2;H411	.	.
.	9003-36-5	Phenol, polymer with	Xi;R38 R43 N;R51/53	25-50	8
.	500-006-8	(Chloromethyl)oxirane and	Skin Irrit. 2;H315 Skin Sens. 1;H317	.	.
.	.	formaldehyde	Aquatic Chronic 2;H411	.	.
.	68609-97-2	.	Xi;R38 R43	5-20	.
.	271-846-8	Oxirane,	Skin Irrit. 2;H315 Skin Sens. 1;H317	.	.
.	28553-12-0	mono[(C12-14-alkyloxy)methyl]	-	1-5	13
.	249-079-5	derivs.	-	.	.
.	.	Diisononyl phthalate	.	.	.

8) The substance is an epoxy resin

13) The substance has a national exposure limit.

Please see section 16 for the full text of R-phrases and H-phrases.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation: Seek fresh air.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

Skin: Remove contaminated clothing. Carefully remove as much of the product from the skin as possible, using a cloth. Wash skin thoroughly with soap and lukewarm water and apply skin cream. Seek medical advice in case of eczema.

Eyes: Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.

Other information: When obtaining medical advice, show the safety data sheet or label.

### 4.2. Most important symptoms and effects, both acute and delayed

Irritating to eyes. Causes a burning sensation and tearing. Irritating to skin – may cause reddening. May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing. If ingested, can be irritating to mucous membranes of the mouth and gastrointestinal tract.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms. No special immediate treatment required.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool

non-ignited stock.  
Unsuitable extinguishing media Do not use water stream, as it may spread the fire.

## 5.2. Special hazards arising from the substance or mixture

Can generate harmful flue gases containing carbon monoxide in the event of fire.

## 5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Wear gloves. Wear safety goggles.

For emergency responders: In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

### 6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

### 6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Work under effective process ventilation (e.g. local exhaust ventilation). Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

### 7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store in a dry, cool, well-ventilated area. Keep in tightly closed original packaging.

### 7.3. Specific end use(s)

None.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limits:

Ingredient:	Exposure limit	Remarks
Diisononyl phthalate	- (8h), - (15m) ppm 5 (8h), - (15m) mg/m <sup>3</sup>	-

Legal basis: EH40/2005 Workplace exposure limits. Last amended December 2011.

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

### 8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Wear gloves. Type of material: Butyl rubber/ Nitrile rubber. Gloves must conform to EN 374. Breakthrough time has not been determined for the product. Change gloves often.

Personal protective equipment, respiratory protection: Not required.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State:	Liquid
Colour:	Light yellow
Odour:	Characteristic
Odour threshold:	No data
pH (solution for use):	No data
pH (concentrate):	No data
Melting point/freezing point:	No data
Initial boiling point and boiling range:	> 200 °C
Flash point:	> 140 °C
Evaporation rate:	No data
Flammability (solid, gas):	No data
Upper/lower flammability limits:	> 200 °C
Upper/lower explosive limits:	No data
Vapour pressure:	< 2 hPa (20 °C )
Vapour density:	No data
Relative density:	1,13
Solubility:	Not miscible with the following: Water. Soluble in the following: Organic solvents.
Partition coefficient n-octanol/water:	No data
Auto-ignition temperature:	Not spontaneously flammable
Decomposition temperature:	No data
Viscosity:	500-900 mPas (dynamic) (20 °C )
Explosive properties:	Non-explosive
Oxidising properties:	No data

### 9.2. Other information

Solidifying point: - 5 °C  
Organiske opløsningsmidler: 0,0%

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with the following: Alkalis/ Amines/ Alcohols/

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

Without a stabiliser, the product can polymerise, causing a risk of fire and explosion.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Alkalis/ Amines/ Alcohols/

### 10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity - oral: Ingestion may cause discomfort. The product does not have to be classified. Test data are not available.

25068-38-6: Rat: LD50 > 10.000 mg/kg

Acute toxicity - dermal: The product does not have to be classified. Test data are not available.

Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	Irritating to skin – may cause reddening.
Serious eye damage/eye irritation:	Irritating to eyes. Causes a burning sensation and tearing.
Sensitisation:	May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing.
Mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Toxicity in case of single exposure:	If ingested, can be irritating to mucous membranes of the mouth and gastrointestinal tract. The product does not have to be classified. Test data are not available.
Toxicity in case of repeated or prolonged exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Acute toxicity:	25068-38-6: Fish: <i>Leuciscus idus</i> : 96hLC50 = 3,6 mg/l Crustacea: 48hEC50 = 2,8 mg/l Algae: : 96hEC50 = 220 mg/l

### 12.2. Persistence and degradability

Test data are not available.

### 12.3. Bioaccumulative potential

Test data are not available.

### 12.4. Mobility in soil

Test data are not available.

### 12.5. Results of PBT and vPvB assessment

No assessment has been made.

### 12.6. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Avoid discharge to drain or surface water.

Hardened product is non-hazardous waste according to waste regulations. Contact the local authorities for instructions on handling. Use the below code for waste registration.

Absorbent/cloth contaminated with the product:  
EWC code: 15 02 02 absorbents, filter materials (including oil filters not otherwise specified),

wiping cloths, protective clothing contaminated by dangerous substances

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

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#### **SECTION 14: Transport information**

##### **ADR/RID**

<b>14.1. UN number</b>	3082
<b>14.2. UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-(epichlorhydrin, Phenol, polymer with (Chloromethyl)oxirane and formaldehyde)
<b>14.3. Transport hazard class(es)</b>	9
<b>14.4. Packing group</b>	III
Hazard identification number	90
Tunnel restriction code:	E
<b>14.5. Environmental hazards</b>	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.

##### **ADN**

14.1. UN number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-(epichlorhydrin, Phenol, polymer with (Chloromethyl)oxirane and formaldehyde)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
Environmental hazard in tank vessels:	-

##### **IMDG**

14.1. UN number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-(epichlorhydrin, Phenol, polymer with (Chloromethyl)oxirane and formaldehyde)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	The product must be labelled as a Marine Pollutant (MP) in packaging sizes of more than 5 kg/l.
IMDG Code segregation group:	-

##### **ICAO/IATA**

14.1. UN number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-(epichlorhydrin, Phenol, polymer with (Chloromethyl)oxirane and formaldehyde)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.

##### **14.6. Special precautions for user**

None.

##### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Special provisions: Council Directive 96/82/EC (Seveso), Dangerous for the environment: Column 2: 200 t, Column 3: 500 t.

### 15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

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## SECTION 16: Other information

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very Persistent and Very Bioaccumulative

R-phrases: R36/38 Irritating to eyes and skin.  
R38 Irritating to skin.  
R43 May cause sensitisation by skin contact.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H-phrases: H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

Training: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

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