

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

LECHLEROID L THINNER

Version 2.12

Revision Date 04.04.2012

Print Date 23.04.2012

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : LECHLEROID L THINNER
Product code : L0000552

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

Chemical nature : Liquid

1.3 Details of the supplier of the safety data sheet

Company : Lechler SpA
Via Cecilio 17
22100 Como
Telephone : +39031586111
Telefax : +39031586206
E-mail address : safety@lechler.eu
Responsible/issuing person

1.4 Emergency telephone number

Tel. +39-031-586301 Fax +39-031-586299
This telephone number is available during office hours only.

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Highly flammable	R11: Highly flammable.
Harmful	R65: Harmful: may cause lung damage if swallowed.
	R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Toxic to Reproduction Category 3	R63: Possible risk of harm to the unborn child.
Irritant	R38: Irritating to skin.
	R41: Risk of serious damage to eyes.
	R67: Vapours may cause drowsiness and dizziness.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

Hazard pictograms :



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	Highly flammable	Harmful
R-phrase(s)	: R11 R38 R41 R48/20 R63 R65 R67	Highly flammable. Irritating to skin. Risk of serious damage to eyes. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.
S-phrase(s)	: S 9 S16 S26 S33 S36/37/39 S62	Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Take precautionary measures against static discharges. Wear suitable protective clothing, gloves and eye/face protection. If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Hazardous components which must be listed on the label:

- 108-88-3 toluene

2.3 Other hazards

None known.

No hazards resulting from the material as supplied.

The information required is contained in this Material Safety Data Sheet.

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Liquid

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
toluene	108-88-3 203-625-9 01- 2119471310- 51	F; R11 Repr.Cat.3; R63 Xn; R48/20-R65 Xi; R38 R67	Flam. Liq. 2; H225 Repr. 2; H361d Asp. Tox. 1; H304 STOT RE 2; H373 Skin Irrit. 2; H315 STOT SE 3; H336	>= 30 - < 50
2-methylpropan-1-ol	78-83-1 201-148-0 01-	R10 Xi; R37/38-R41 R67	Flam. Liq. 3; H226 STOT SE 3; H335, H336	>= 12,5 - < 20

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	2119484609-23		Skin Irrit. 2; H315 Eye Dam. 1; H318	
4-hydroxy-4-methylpentan-2-one	123-42-2 204-626-7 01- 2119473975-21	Xi; R36	Eye Irrit. 2; H319	>= 5 - < 7
acetone	67-64-1 200-662-2	F; R11 Xi; R36 R66 R67	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 20 - < 30
isobutyl acetate	110-19-0 203-745-1 01- 2119488971-22	F; R11 R66	Flam. Liq. 2; H225	>= 12,5 - < 20

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

- General advice : When symptoms persist or in all cases of doubt seek medical advice.
Never give anything by mouth to an unconscious person.
- If inhaled : Remove to fresh air.
Keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Do NOT use solvents or thinners.
Put shower on working place
- In case of eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Seek medical advice.
Put eye-washer on working place
Remove contact lenses.
- If swallowed : If accidentally swallowed obtain immediate medical attention.
Do NOT induce vomiting.
Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : No information available.

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4.3 Indication of any immediate medical attention and special treatment needed

Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
Seek medical advice.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Keep containers and surroundings cool with water spray.

Unsuitable extinguishing media : Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).
Exposure to decomposition products may be a hazard to health.
Cool closed containers exposed to fire with water spray.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Solvent vapours are heavier than air and may spread along floors.
Ensure adequate ventilation.
Use personal protective equipment.
Evacuate personnel to safe areas.
Keep people away from and upwind of spill/leak.
Ventilate the area.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

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Methods for cleaning up : Clean with detergents. Avoid solvents.
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Pick up and transfer to properly labelled containers.
Clean contaminated surface thoroughly.
Dam up.
Soak up with inert absorbent material and dispose of as hazardous waste.

6.4 Reference to other sections

Refer to section 15 for specific national regulation.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding of the given occupational exposure limits (see section 8).
Use only in area provided with appropriate exhaust ventilation.
Avoid contact with skin, eyes and clothing.
Smoking, eating and drinking should be prohibited in the application area.
Avoid inhalation of vapour or mist.
For personal protection see section 8.
Thoroughly mix before using
After using, store in a well-sealed container

Advice on protection against fire and explosion : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.
When transferring from one container to another apply earthing measures and use conductive hose material.
No sparking tools should be used.
The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Observe label precautions.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Solvent vapours are heavier than air and may spread along floors.
Vapours may form explosive mixtures with air.
Electrical installations / working materials must comply with the technological safety standards.
Keep away from sources of ignition - No smoking.
Store between 5 ° an 35 °C in a dry, well ventilated place away from source of heat, ignition and direct sunlight.
Store in accordance with the particular national regulations.

Advice on common storage : Keep away from oxidising agents and strongly acid or alkaline materials.

7.3 Specific end uses

: This information is not available.

8. Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
toluene	108-88-3	TWA	50 ppm 192 mg/m3	2006-02-09	2006/15/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skinIndicative			
		STEL	100 ppm 384 mg/m3	2006-02-09	2006/15/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skinIndicative			
2-methylpropan-1-ol	78-83-1		50 ppm 152 mg/m3		
4-hydroxy-4-methylpentan-2-one	123-42-2		50 ppm 238 mg/m3		
acetone	67-64-1	TWA	500 ppm 1.210 mg/m3	2000-06-16	2000/39/EC
Further information	:	Indicative			
isobutyl acetate	110-19-0		150 ppm 713 mg/m3		

DNEL
 toluene

: End Use: Industrial use
 Exposure routes: Inhalation
 Potential health effects: Local effects
 Value: 24,48 mg/m3

PNEC
 toluene

: Marine water
 Value: 0,00034 mg/l

8.2 Exposure controls

Personal protective equipment

Respiratory protection

: Apply technical measures to comply with the occupational exposure limits.
 This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation.
 If the occupational exposure limits cannot be met, in exceptional cases suitable respiratory equipment should be worn only for a short period of time.

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- Hand protection : For prolonged or repeated contact use protective gloves.
Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.
Skin should be washed after contact.
Wash your hands and put on barrier creams
- Eye protection : Chemical resistant goggles must be worn.
- Skin and body protection : Skin should be washed after contact.
Working clothes must not consist of textiles, which show a dangerous melting behaviour in case of fire.
Personnel should wear protective clothing
Workers should wear antistatic footwear.
- Environmental exposure controls**
- General advice : Try to prevent the material from entering drains or water courses.
If the product contaminates rivers and lakes or drains inform respective authorities.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Flash point : 0 - < 21 °C
- Vapour pressure : 1,000 hPa
at 50 °C
- Density : 0,8411 g/cm³

9.2 Other information

- Volatile organic compounds (VOC) content : 100 %

10. Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

- Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

- Conditions to avoid : Our products were manufactured in compliance with safety standards to avoid decomposition and degrading under the defined conditions.
Taking the product type into account, it is advisable to leave the product in its original packaging thus avoiding transferring

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10.5 Incompatible materials

Materials to avoid : Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

11. Toxicological information

11.1 Information on toxicological effects

Product

Acute inhalation toxicity : Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects., Such as: mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and central nervous system. Symptoms and signs: headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness., Inhalation of airborne droplets may cause irritation of the respiratory tract.

Skin corrosion/irritation : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin., The product may be absorbed through the skin.

Serious eye damage/eye irritation : The liquid splashed in the eyes may cause irritation and reversible damage.

Further information : The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

12. Ecological information

12.1 Toxicity

Toxicity to fish :
Remarks:
No data is available on the product itself.

12.2 Persistence and degradability

Biodegradability : Remarks:
no data available

12.3 Bioaccumulative potential

Bioaccumulation : Remarks:
no data available

12.4 Mobility in soil

Mobility : Remarks:
no data available

12.5 Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Additional ecological information : There is no data available for this product.

13. Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Disposal together with normal waste is not allowed. Special disposal required according to local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

ADR

UN number : 1263
Transport hazard class(es) : 3
Packing group : II
Classification Code : F1
Hazard identification No : 33
Labels : 3
Environmentally hazardous : no

IATA

UN number : 1263
Description of the goods :
Class : 3
Packing group : II
Labels : 3
Environmentally hazardous : no

IMDG

UN number : 1263
Description of the goods :
Class : 3

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Packing group	:	II
Labels	:	3
EmS Number 1	:	F-E
EmS Number 2	:	S-E
Marine pollutant	:	no

15. Regulatory information

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

Risk classification according to VbF : AI

Water contaminating class (Germany) : water endangering

Other regulations : The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

15.2 Chemical Safety Assessment

No data is available on the product itself.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R10	Flammable.
R11	Highly flammable.
R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3.

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H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

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