

Ether de pétrole 40-65 °C**L-F-T-N****Danger****SECTION 1. Identification of the substance/mixture and of the company/undertaking**

Ref. n° : 102 049
Trade name : Ether de pétrole 40-65 °C
Company identification : JEULIN
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Use : laboratory use

SECTION 2 Hazards identification**Classification of the substance or mixture**

Hazard Class and Category Code
Regulation EC 1272/2008 (CLP)

- Physical hazards : Flammable liquids - Category 2 - Danger (CLP : Flam. Liq. 2)
- Health hazards : Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2)
Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 - Warning (CLP : STOT SE 3)
Aspiration hazard - Category 1 - Danger (CLP : Asp. Tox. 1)
- Environmental hazards : Hazardous to the aquatic environment - Chronic hazard - Category 2 (CLP : Aquatic Chronic 2)

Label elements

Labelling Regulation EC 1272/2008 (CLP) :

- Hazard pictograms



- Signal words : Danger
- Hazard statements : H225 : Highly flammable liquid and vapour.
H304 : May be fatal if swallowed and enters airways.
H315 : Causes skin irritation.
H336 : May cause drowsiness or dizziness.
H411 : Toxic to aquatic life with long lasting effects.
- Precautionary statements
 - General : P102 : Keep out of reach of children.
 - Prevention : P280 : Wear protective gloves/protective clothing/eye protection/face protection. P210 : Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P261 : Avoid breathing dust/fume/gas/mist/vapours/spray. P273 : Avoid release to the environment.
 - Response : P301+P330+P331+P310+P321 : IF SWALLOWED : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. Specific treatment.

Labelling EC 67/548 or EC 1999/45





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SECTION 2 Hazards identification (continued)

Symbol(s)	: Harmful. : Highly flammable. : Dangerous for the environment.
R Phrase(s)	: R11 : Highly flammable. : R38 : Irritating to skin. : R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. : R65 : Harmful : may cause lung damage if swallowed. : R67 : Vapours may cause drowsiness and dizziness.
S Phrase(s)	: S2 : Keep out of the reach of children. : S9 : Keep container in a well-ventilated place. : S16 : Keep away from sources of ignition - No smoking. : S23 : Do not breathe the gas, fumes, vapours, spray. : S24 : Avoid contact with skin. : S33 : Take precautionary measures against static discharges. : S43 : In case of fire, use . : S46 : If swallowed seek medical advice immediately and show this container or label. : S56 : Dispose of this material and its container to hazardous or special waste collection point.

SECTION 3 Composition/information on ingredients

This product is considered to be hazardous and contains hazardous components.

Substance / Preparation

Substance name	Value(s)	CAS nr	EC	EC index	REACH	CERTIFICATE
Pentane	: 50 %	109-66-0	203-692-4	601-006-00-1	----	F+; R12 Xn; R65 R66 R67 N; R51-53 ----- Asp. Tox 1 (H304) STOT SE 3 (H336) STOT RE (EUH066) Aquatic Chronic 2 (H411)
n-hexane	: < 5 %	110-54-3	203-777-6	601-037-00-0	----	F; R11 Repr. Cat. 3; R62 Xn; R65-48/20 R67 Xi; R38 N; R51-53 ----- Flam. Liq. 2 (H225) Asp. Tox 1 (H304) Repr. 2 (H361F) Skin Irrit. 2 (H315) STOT RE 2 (H373) STOT SE 3 (H336) Aquatic Chronic 2 (H411)
Hydrocarbons, C6, isoalkanes, <5% n-hexane	: < 50 %	-----	931-254-9	-----	01-2119484651-34	F; R11 Xn; R65 R67 Xi; R38 N; R51-53 ----- Flam. Liq. 2 (H225) Asp. Tox 1 (H304) Skin Irrit. 2 (H315) STOT SE 3 (H336) Aquatic Chronic 2 (H411)

SECTION 4. First aid measures

- Inhalation	: If you feel unwell, seek medical advice. If breathing is difficult, give oxygen. Assure fresh air breathing. If not breathing, give artificial respiration.
- Skin contact	: Wash skin thoroughly with mild soap and water. Remove contaminated clothing and shoes.
- Eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Contact ophthalmologist immediately.
- Ingestion	: Give nothing to drink. Do not induce vomiting. May result in aspiration into the lungs. If swallowed, rinse mouth with water (only if the person is conscious). Seek medical attention immediately.

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SECTION 4. First aid measures (continued)

SECTION 5. Fire-fighting measures

- Prevention** : Keep away from heat.
No naked lights. No smoking.
Take precautionary measures against static discharges. Keep away from : Oxidizing agents.
Oxidizing.
- Extinguishing media**
- Suitable : Powder. Carbon dioxide. Foam.
 - Not to be used : Water.
- Special exposure hazards** : Vapour mixes readily with air, forming explosive mixtures. Vapours may cause fire/explosion if source of ignition is present. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.
Under fire conditions, hazardous fumes will be present. Thermal decomposition generates : Carbon monoxide.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures** : Use water spray or fog for cooling exposed containers.
Avoid (reject) fire-fighting water to enter environment.

SECTION 6. Accidental release measures

- Environmental precautions** : Prevent entry to sewers and public waters.
- After spillage and/or leakage** : Clean up any spills as soon as possible, using an absorbent material to collect it. (ex: Vermiculite JEULIN réf. 150 Q39).
Flush/dilute residue with water.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

SECTION 7. Handling and storage

- Precautions in handling and storage** : Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures.
Use special care to avoid static electric charges.
- Handling** : Wear suitable protective clothing.
Avoid all unnecessary exposure.
Do not breathe gas, fumes, vapour or spray.
- Storage** : Close container tightly after use.
Keep away from sources of ignition.
- : **Keep away from :**
- : Oxidizing agents.
Oxidizing.
Store in dry, cool, well-ventilated area.
Keep away from heat. (+15°C / +25°C)

SECTION 8. Exposure controls/personal protection

- Personal protection** : Avoid all unnecessary exposure.
- **Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment. Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
 - **Hand protection** : Wear suitable gloves resistant to chemical penetration.
 - **Skin protection** : Wear suitable protective clothing.
 - **Eye protection** : Chemical goggles or safety glasses.
 - **Others** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Take proper precautions to prevent the production of vapors and aerosols.
A local extraction is recommended if there is a risk of producing vapors or aerosols.

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SECTION 8. Exposure controls/personal protection (continued)

Exposure controls

- France

VME [mg/m3] :	: 1400
VME [ppm] :	: 436
VLE [mg/m3] :	: No data available.
VLE [ppm] :	: No data available.

SECTION 9. Physical and chemical properties

Chemical name	: Ether de pétrole ; Essence.
Physical state	: Volatile liquid.
Colour	: Colourless.
Odour	: Hydrocarbon.
pH value	: No data available.
Melting point [°C]	: No data available.
Initial boiling point [°C]	: 40-65
Density	: (15°C):0,65
Vapour pressure [hPa]	: (20°C): 380
Solubility in	: Water. Negligible.
Flash point [°C]	: - 4 0 ° C
Auto-ignition temperature [°C]	: >200
Explosion limits	
Explosion limits - lower [%]	: 1
Explosion limits - upper [%]	: 7,4

SECTION 10. Stability and reactivity

Conditions to avoid	: Heat.
Materials to avoid	: Strong oxidizing agents (peroxides, chromates, dichromates, chlorates, perchlorates, permanganates, nitric acid, concentrated nitric acid, concentrated sulphuric acid...)
Hazardous reactions	: Explosive when mixed with : Oxidizing agents: Oxidizing.
Hazardous Polymerization	: Will not occur.
Hazardous properties	: Combustible. Fire/explosion hazard. Explosive when mixed with oxidizing substances. In use, may form flammable/explosive vapour-air mixture. Vapour mixes readily with air, forming explosive mixtures.

SECTION 11. Toxicological information

Acute toxicity

- Inhalation	: May be fatal if swallowed and enters airways. May cause irritation to the respiratory tract and to other mucous membranes. Risk of pulmonary oedema.
- Dermal	: May be harmful if absorbed through the skin. Absorbed through the skin. Irritating to skin. A prolonged or repeated contact between the skin and this product can lead to dermatitis. This material or its emissions may defat skin, cause contact dermatitis.
- Ocular	: Moderate eye irritant.
- Ingestion	: May be harmful if swallowed. May result in aspiration into the lungs, causing chemical pneumonia. May cause irritation of the linings of the mouth, throat, and gastrointestinal tract.
- Other	: May cause respiratory failure. Symptoms of overexposure include drowsiness, weakness, headache, dizziness, nausea, vomiting, dimming of vision and, in extreme cases, death. This material or its emissions may affect the nervous system. Excessive concentrations may cause nervous system depression, headache, and weakness leading to unconsciousness. May cause circulatory shock, respiratory depression and convulsions. Target organ(s) : Central nervous system. Nerves. Other toxic properties can not be excluded.

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SECTION 11. Toxicological information (continued)

Rat oral LD50 [mg/kg]	: >5840
Rabbit dermal LD50 [mg/kg]	: >2920
Rat inhalation LC50 [mg/l/4h]	: > 25,2 (vapeur)
Dermal irritation (rabbit)	: No data available.
Eyes irritation (rabbit)	: No data available.
Mucous membrane irritation (rabbit)	: No data available.
Chronic toxicity	
- Other	: There are potential chronic health effects to consider.
Carcinogenicity	: Not expected to be toxic.
Mutagenicity	: Not expected to be toxic.
Reproductive toxicity	: This product is suspected of having toxic effects on fertility due to the presence of n-hexane in the product. n-HEXANE : Reproductive toxicity - Fertility - Category 2 (Regulation EC N° 1272/2008) This product is suspected to have toxic effects on male fertility. Pregnant women are advised to avoid any contact with this product.
Narcosis	: Overexposure can cause narcosis.
Other toxicological information	: Other toxic properties can not be excluded. Observe all precautions for handling chemicals. For more toxicological informations, read the INRS data sheet # : 113.

SECTION 12. Ecological information

Ecological effects information	: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid release to the environment. May contaminate water supplies.
ThOD (gO2/g)	: No data available.
COD	: No data available.
BOD	: No data available.
BOD 5 (gO2/g)	: No data available.
Persistence and degradability	: Fast Biodegradation. No data available.
Bioaccumulative potential	: No data available.
Information on elimination	: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
Biodegradation [%]	: Easy biodegradation.

SECTION 13. Disposal considerations

Disposal	: Dispose of this material and its container at hazardous or special waste collection point. Containers, or internal liners coming from a container, having contained this product are also considered as hazardous wastes. Do not re-use empty container. Dispose in a safe manner in accordance with local/national regulations. : Do not empty into drains.
Waste-disposal procedures	: Refer to the MSDS before handling or disposing.



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SECTION 14. Transport information

- Proper shipping name : UN1268 DISTILLATS DE PÉTROLE, N.S.A. / PRODUITS PÉTROLIERS, N.S.A., 3, II, (D/E)
- UN No. : 1268
- H.I. nr : 33

Land transport

- ADR/RID : Group : II
Class : 3

Sea transport

- IMO-IMDG code : UN1268 Distillat de pétrole, n.s.a. (éter de pétrole)
- Class : 3
- Packing group : II

Air transport

- ICAO/IATA : UN 1268 Petroleum distillates n.o.s. (petroleum ether).
- IATA - Class or division : 3
- IATA Packing group : II

SECTION 15. Regulatory information

- Other : None.

SECTION 16. Other information

Further information

The contents and format of this MSDS are in accordance with Regulation (EC) N°1907/2006.

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