



6/5/2009

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Lucifer	
Use:	Lighter fluid	
Supplier	Lantmännen Energi AB Box 30192 104 25 Stockholm Telephone +468 657 42 00 Fax +468 657 42 88 E-mail info@agrol.se	
Producer	Petrolia AB Box 5194 102 44 Stockholm Telephone No +468 670 34 00	
Emergency telephone	Finnish Poisons Information Centre	(09) 471 977 (direct) or (09) 4711 (exchange) 112 (acute)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Namn	EG-nr	CAS-nr	Vikt %	Symboler	Riskfraser
n-paraffin C10-C13	300-199-7	93924-07-3	75-85	Xn	R65
Fatty acids, rape-oil, Me esters	287-828-8	85586-25-0	15-25	-	-

Aromatics: max 0,5 %

Benzen: < 0,01 %

3. HAZARDS IDENTIFICATION

Harmful: may cause lung damage if swallowed.

4. FIRST AID MEASURES

Inhalation	Remove to fresh air. Consult a doctor in case of symptoms.
Ingestion	DO NOT INDUCE VOMITING! Consult a doctor. Aspiration of the product can cause chemical pneumonia.
Skin contact	Remove contaminated clothing. Wash skin with water and soap. Rinse thoroughly.

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Eye contact Rinse with plenty of water

5. FIRE-FIGHTING MEASURES

Extinguishing media Water spray, foam, CO₂ or dry powder. Container close to fire should be removed or cooled with water. Direct water jet may not be used.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions Do not allow the product to enter the environment. Waste disposal, see Section 13.

Methods for cleaning up Prevent liquid entering sewers. Absorb smaller quantities. Use sand or active clay. Personal protective equipment, see Section 8.

7. HANDLING AND STORAGE

Handling Avoid contact with skin and eyes. Do not use contaminated clothes. Prevent inhalation of the product. Keep out of the reach of children. Make sure that children will not access the content by turning to the child protective cap securely after use.

Storage Containers must be kept tightly closed and isolated from any source of ignition. Keep separate from oxidizing agents. Storage Category: Flammable liquid Class 3

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin protection Use clean working clothes and gloves of PVC, neoprene or the like.

Ventilation Inhalation of steam, smoke and fog can be prevented with appropriate management regulations and good ventilation. Level Limit: 350 mg/m³ (Decane and other higher aliphatic hydrocarbons)

Eye protection At the risk of splashing, eye protection must be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Clear
Solubility in water	Insoluble
Density (kg/m ³), 15°C	779
Flash point (°C), ASTM D93, P-M	76

10. STABILITY AND REACTIVITY

Stability	Stable under normal condition.
Conditions/materials to avoid	Strong oxidizing agents. Thermal decomposition or incomplete combustion may form carbon monoxide

11. TOXICOLOGICAL INFORMATION

Toxic dose, LD50 (oral-rat)	> 2000 mg / kg
Toxic dose, LD50 (skin-rabbit)	> 2000 mg / kg
Toxic conc., LC50 (inhalation - rat)	>4000 ppm/4h
Inhalation	Can cause headache, dizziness, fatigue and nausea.
Ingestion	May cause nausea, vomiting, diarrhoea and respiratory problems. Chemical pneumonia may be after a few hours to a day, if the product is drawn down into the lungs.
Skin	Repeated skin contact may cause skin dryness or cracking.
Eye	May cause mild eye irritation.

12. ECOLOGICAL INFORMATION

Mobility	Significantly impeded evaporation in deeper soil layers.
Degradability	Relatively easily broken down by naturally occurring micro organisms. The product is readily biodegradable according to OECD guidelines

13. DISPOSAL CONSIDERATIONS

Product residues, waste, etc. are classified as hazardous waste. Waste from the product may not pollute the soil, water or released into the environment.

Suggested EWC codes;
13 07 03: Other fuels
14 06 03: Other solvents and solvent mixtures

Draining Instruction

Place the container up and down slightly tilted to runoff. Some packages may require that you make an extra hole. The run-off shall take place at room temperature. Wait until the container is drip dry. Reseal not pack after runoff. Empty containers ventilated in a safe place separate from the children of sparks and fire. Residues may constitute an explosion risk.



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EWC-code: 15 01 02, Plastic packaging

EWC-code: 15 01 10, Packaging containing residues of or contaminated by dangerous substances

14. TRANSPORT INFORMATION

UN-no Not classified
RID / ADR Not classified
IMO Not classified
IATA / ICAO Not classified

15. REGULATORY INFORMATION



Harmful

Symbol letters: Xn

R-Phrases R65 – Harmful: may cause lung damage if swallowed.

S-Phrases S2 – Keep out of the reach of children
S23 – Do not breathe vapour/spray
S24 – Avoid contact with skin.
S62 – If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

Text of R-phrases indicated in section 3:

R65 – Harmful: may cause lung damage if swallowed.

Revision date: 6/5/2009

Signature: Lennart Fahlgren
Petrolia AB