

Material Safety Data Sheet

According to 91/155 EEC

Printing date 28.01.2005

Reviewed on 28.01.2005

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** LUSIN CLEAN L 11
- **Article number:** 273240
- **Application of the substance / the preparation** Cleaning agent/ Cleaner
- **Manufacturer/Supplier:**
Chem-Trend (Deutschland) GmbH
Ganghoferstr. 47
D-82216 Maisach-Gernlinden
Tel.: 0049 (0) 8142417-0
Fax.: 0049 (0) 814215884
- **Further information obtainable from:** chemical documentation
- **Information in case of emergency:** 0049 (0) 8142417-169

2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Solvent mixture

- **Dangerous components:**

CAS: 64742-49-0 EINECS: 265-151-9	Naphtha (petroleum), hydrotreated light (60/95)  Xn,  F,  N; R 11-38-51/53-65-67	25-50%
CAS: 64742-49-0 EINECS: 265-151-9	Naphtha (petroleum), hydrotreated light (100/140)  Xn,  F,  N; R 11-38-51/53-65-67	25-50%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol  Xi,  F; R 11-36-67	10-25%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:**



Xn Harmful
F Highly flammable
N Dangerous for the environment

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 11 Highly flammable.

R 36/38 Irritating to eyes and skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

R 67 Vapours may cause drowsiness and dizziness.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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4 First-aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.
- **Information for doctor:**
- **Treatment** If swallowed or in case of vomiting, danger of entering the lungs.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
In case of fire, the following can be released:
Carbon monoxide (CO)
Hydrocarbons
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Keep away from ignition sources.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Fumes can combine with air to form an explosive mixture.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
recommended storage period :
approx. 12 months starting from date of production

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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· Ingredients with limit values that require monitoring at the workplace:
67-63-0 propan-2-ol

OES ()	Short-term value: 1250 mg/m ³ , 500 ppm
	Long-term value: 999 mg/m ³ , 400 ppm

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid close or long term contact with the skin.

Be sure to clean skin thoroughly after work and before breaks.

· **Respiratory protection:** Not required.

· **Protection of hands:** Solvent resistant gloves

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Colour:	Colourless
Odour:	Product specific

· **Change in condition**

Boiling point/Boiling range: 60-95°C

· **Flash point:** < -18°C (DIN 51755)

· **Ignition temperature:** > 200°C

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

Lower:	1.0 Vol %
Upper:	7.3 Vol %

· **Vapour pressure at 20°C:** 190 hPa

· **Density at 20°C:** 0.725 g/cm³

· **Solubility in / Miscibility with water:**

Insoluble.

· **Additional information:** Values refer to the solvent.

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Dangerous reactions** Reacts with oxidizing agents.
- **Dangerous decomposition products:** Carbon monoxide

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

64742-49-0 Naphtha (petroleum), hydrotreated light (60/95)		
Oral	LD50	> 2000 mg/kg (rat)

64742-49-0 Naphtha (petroleum), hydrotreated light (100/140)		
Oral	LD50	> 2000 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

Harmful

12 Ecological information

- **Ecotoxicological effects:**
- **Behaviour in sewage processing plants:** The product can be mechanically separated.
- **General notes:**
Toxic for aquatic organisms
Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation** Can be incinerated in accordance with local and national regulations.
- **Waste disposal key:**
For this product no waste disposal key according the European Waste Catalogue (EWC) can be determined, as only the purpose of application defined by the user enables an allocation. The waste code number has to be determined in accordance with the local waste disposer.
- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 (F1) Flammable liquids.
- **Danger code (Kemler):** 33

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- **UN-Number:** 3295
- **Packaging group:** II
- **Hazard label:** 3
- **Description of goods:** 1268 PETROLEUM DISTILLATES, N.O.S. (vapor pressure at 50°C at most 110 kPa) (Naphtha (petroleum), hydrotreated light (60/95), Naphtha (petroleum), hydrotreated light (100/140))

- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 3295
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Proper shipping name:** HYDROCARBONS, LIQUID, N.O.S.

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 3295
- **Label:** 3
- **Packaging group:** II
- **Proper shipping name:** HYDROCARBONS, LIQUID, N.O.S.

15 Regulatory information

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**



Xn Harmful
F Highly flammable
N Dangerous for the environment

- **Hazard-determining components of labelling:**

Naphtha (petroleum), hydrotreated light (60/95)
Naphtha (petroleum), hydrotreated light (100/140)

- **Risk phrases:**

11 Highly flammable.
36/38 Irritating to eyes and skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
67 Vapours may cause drowsiness and dizziness.

- **Safety phrases:**

16 Keep away from sources of ignition - No smoking.
23 Do not breathe fumes.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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- 33 Take precautionary measures against static discharges.
- 51 Use only in well-ventilated areas.
- 61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

· National regulations:

- **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant R-phrases

- 11 Highly flammable.
- 36 Irritating to eyes.
- 38 Irritating to skin.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 67 Vapours may cause drowsiness and dizziness.

· Department issuing MSDS: chemical documentation**· Contact:** Tel.: +49 (0) 8142417-136**· * Data compared to the previous version altered.**

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