

Material Safety Data Sheet

1. Identification of Preparation and Company

Product **QUICK START**

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2. Hazards identification.

Hazard designation:



F+ Extremely flammable

Information pertaining to particular dangers for man 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.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurized container.

Has a narcotising effect.

R12 Extremely flammable.

R19 May form explosive peroxides.

R 22 Harmful if swallowed.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

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Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of Ignition – No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

Keep out of the reach of children.

Classification system

The classification is in line with current EC lists. It is expanded, however, by information from Technical literature and by information furnished by supplier companies.

3. Composition & Information on Ingredients

Chemical characterization

Description: Mixture of the substances listed below with harmless additions.

Dangerous components:

CAS: 60-29-7 **Diethylether** **25-50%**
EINECS: 200-467-2 **Xn, F+; R 12-19-22-66-67**

CAS: 64742-49-0 **Naphtha (Petroleum)** **5-15%**
EINECS: 265-151-9 **Carc. Cat. 2; Xn, Xi, F, n; r 11-38-51/53-65-67**

EINECS: 265-151-9 **64742-49-0 Naphtha (Petroleum)** **5-15%**
Xn, Xi, F, N; R 11-38-51/53-65-67

CAS: 64742-47-8 **Distillates (petroleum) hydrotreated light** **5-15%**
EINECS: 265-149-8 **Xn, R 65-66**

EINECS: 265-151-9 **CAS 64742-49-0 Naphtha (petroleum), Hydrotreated light** **<5%**
Xn, Xi, F, N; R 11-38-51/53-65-67

CAS: 67-63-0 **propan-2-ol** **<5%**
EINECS: 200-661-7 **Xi, F; R 11-36-67**

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

4 First Aid Measures.

General information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Skin contact: Remove soaked clothing. Wash skin with water and soap.

Eye contact: Rinse opened eye for several minutes under running water.

Ingestion: Instantly call for a doctor.

Inhalation: Supply fresh air, consult doctor in case of symptoms

5. Fire Fighting Measures

Suitable extinguishing agents

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CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents. Water with a full water jet.

Special hazards caused by the material, its products of combustion or flue gases: Can form explosive gas-air mixtures.

In case of fire CO may be possible.

Protective equipment: Wear protective equipment/clothing when fighting fires.

6. Accidental Release Measures

Person related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protections:

Inform respective authorities in case product reaches water or sewage systems.

Measures for cleaning/clothing:

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. Handling and Storage

Handling

Information for safe handling:

Ensure good ventilation/exhaustion at the work place.

Keep away from heat and direct sunlight

Information about protection against explosions and fires:

Keep ignition sources away-do not smoke

Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C.

Do not open by force or throw into fire even after use.

Do not spray on flames or red-hot objects.

Storage:

Requirements to be met by storerooms and containers:

Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility:

Do not store together with strong acids and strong oxidising agents.

Further information about storage conditions:

Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed containers.

8. Exposure Controls / Personal Protection

Additional information about design of technical systems: no further data: see item 7

Components with critical values that require monitoring at the workplace:

The lists that were valid during the compilation were used as basis.

106-97-8 Butan (25-50%)

WEL Short-term value: 1810mg/m³, 750ppm

Long-term value: 1450mg/m³, 600ppm

Carc (if more than 0.1% of buta-1.3-diene)

60-29-7 diethylether (25-50%)

WEL Short-term value: 620mg/m³, 200ppm

Long-term value: 310mg/m³, 100ppm

67-63-0 propan-2-ol (<5%)

WEL Short-term value: 1250mg/m³, 500ppm

Long-term value: 310mg/m³, 100ppm

Personel protective equipment

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General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Do not inhale gases/ fumes/ aerosols

Breathing equipment: Not required.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing test no recommendation to the glove material can be given for the product / the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable glove does not only depend on the material, but also on further marks of quality and varies from the manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not 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: Safety glasses

9. Physical and Chemical Properties

General information

Form: Aerosol
Colour: According to product specification
Smell: Characteristic

Change in condition

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not applicable, as aerosol

Flash point: Not applicable, as aerosol

Self-inflammability: Product is not selfigniting

Danger of explosion: May form explosive peroxides.

Critical values for explosion:

Lower: 1.5 vol%

Upper: 36.0 vol%

Vapour pressure at 20%: 2.6 bar

Density at 20%: 0.650g/m³

Solubility in / miscibility with

Water: Not miscible or difficult to mix

VOC at 20%: 612g/l

10. Stability & Reactivity

Material to be avoided: Strong acids and oxidising agents

Dangerous reactions: Forms explosive gas mixture with air.

Dangerous products of composition: In case of fire CO may be possible.

11 Toxicological Information

Acute Toxicity:

LD.LC50 values that are relevant for classification:

| | | | |
|---------|--------------|----------|-----------------|
| 60-29-7 | Diethylether | | |
| | Oral | LD50 | 1215mg/kg (rat) |
| | Inhalative | LC50/4 h | 224 mg/l (rat) |

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64742-49-0 Naptha (Petroleum)
Oral LD50 >2000 mg/kg(rat)
Dermal LD50 >2000 mg/kg (rat)
Inhalative LC50/4 h >5ml/l (rat)

64742-49-0 Naptha (Petroleum)
Oral LD50 >2000 mg/kg (rat)
Dermal LD50 >2000 mg/kg (rab)
Inhalative LC50/4 h >5 mg/l (---)

CAS 64742-49-0 Naptha (petroleum), hydrotreated light
Oral LD50 >2000 mg/kg (-)
Dermal LD50 >2000 mg/kg (-)
Inhalative LC50/4 h >5 mg/l (-)

Primary irritant effect:

- On the skin: Irritation may be possible
- On the eye: Irritation may be possible

12 Ecological Information

Ecotoxicological effects:

Remark: Harmful to fish

Additional ecological information:

General notes:

Water hazard class 1 (self assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Harmful to aquatic organisms.

13 Disposal Considerations

Product:

Recommendation: Disposal must be made according to official regulations.

Uncleaned Packaging:

Recommendation: Disposal must be made according to official regulations.

14 Transport Information

Land Transport ADR/RID and GGVS/GGVE (cross border/domestic)

ADR/RID—GGVS/E Class: 2 5F Gases

Kemler No: 23

UN- No 1950

Packaging Group: -

Label: 2.1

Designation of goods: 1950 Aerosols

Remarks: UN 1950 AEROSOLS should be placed in side the diamond shaped label.

This only applies to 'Limited quantities'.

UN 1950 is required according to the ADR regulations.

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Maritime transport IMDG/GGVSea:
IMDG/GGVSea Class: 2.1
UN No: 1950
Label: 2.1
Packaging Group: -
EMS Number: F-D, S-U
Marine Pollutant: No
Correct Technical Name: AEROSOLS
Remarks: 'Limited Quantity'

Air transport ICAO –TI and IATA – DGR
ICAO/IATA Class: 2.1
UN/ID Number: 1950
Label: 2.1
Packaging Group: -
Correct technical name: AEROSOLS, flammable
Remarks: 'Limited Quantity'

15 Regulatory Information

Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives/Ordinance on Hazardous Materials (GetStoffV)

The use of Xn (harmful) symbol and Risk phrase 65:

The aliphatic solvents, used in aerosols, are exempted from this regulation because they are classified as 'Note 4' components according to EC – directive 94/69. Therefore 'harmful' labelling is not necessary.

Code letter and hazard designation of product:



F+ Extremely flammable.

Hazard-determining components of labelling:

Diethylether

Risk Phrases

- 12 Extremely flammable
- 19 May form explosive peroxides
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

Safety Phrases

- 2 Keep out of reach of children
- 16 Keep away from sources of ignition – No smoking

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23 Do not breathe aerosol
51 Use only in well-ventilated areas.

Special designation of certain preparations:

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use.

So not spray on a naked flame or any incandescent material. Keep away from sources of ignition –

No smoking.

Build-up of explosive mixtures possible without sufficient ventilation.

Keep out of the reach of children.

National Regulations

Technical instructions (air):

Class Share in %

NK 50 – 100

Other regulations' limitations and prohibitive regulations k.

16 Other Information

These data are based on our present knowledge. However, they 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

12 Extremely flammable

19 May form explosive peroxides

22 Harmful if swallowed

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 is swallowed

66 Repeated exposure may cause skin dryness or cracking

67 Vapours may cause drowsiness and dizziness

Training hints: No training required but consult the instructions before using the product.

Sources: Material safety data sheets from the raw materials