

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product	MK-dent PREMIUM SERVICE OIL LU1011
Manufacturer/distributor	MK-dent Eichenweg 7 b, D-22941 Bargtheide Phone +49(0)4532-501526, Fax +49(0)4532-501527 E-Mail info@mk-dent.com Internet www.mk-dent.com
Advice	Produktinformation Phone +49(0)4532-501526 Fax +49(0)4532-501527
Emergency advice	Giftinformationszentrale Göttingen GIZ-Nord Phone +49(0)551-19 240
Recommended intended purpose(s)	lubricant Technical Aerosols

2. HAZARDS IDENTIFICATION

Classification

F+; R12
N; R51/53

R-phrases

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

Special hazards information for humans and environment

In extensive use, formation of flammable / explosive vapour-air mixture is possible.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
111-65-9	203-892-1	octane [and isomers]	4,1	F R11; Xn R65; Xi R38; R67; N R50/53

4. FIRST AID MEASURES

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.
In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off with water.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.
Medical treatment.
Rinse out mouth and give plenty of water to drink.

Physician's information / possible symptoms

The following symptoms may occur:
Unconsciousness
Anaesthetic state
Headache
Confusion
Dizziness

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Alcohol-resistant foam
Dry fire-extinguishing substance
Dry powder
Carbon dioxide
sand
Water spray jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.
Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Vapours are heavier than air and may spread along floors.
Collect contaminated firefighting water separately, must not be discharged into the drains.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Ensure adequate ventilation.
Use personal protective clothing.
Keep away sources of ignition.
Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

Environmental precautions

Do not discharge into the drains or bodies of water..

Methods for cleaning up

Take up with absorbent material.

7. HANDLING AND STORAGE**Advice on safe handling**

Do not spray into a naked flame or any incandescent material.
Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.
Provide good room ventilation even at ground level (vapours are heavier than air).

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Highly volatile, flammable components are released in processing.

Requirements for storage rooms and vessels

Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

Further information on storage conditions

Protect from direct solar radiation.
 Store container at cool and aired place.
 Protect from heat/overheating.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional advice on system design

For good space ventilation provide, if necessary exhaust on the job.

Respiratory protection

not necessary

Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nature latex 0,6 mm; 480min.;60min.;for example "Lapren 706" from the company KCL, email: Vertrieb@kcl.de

Eye protection

safety goggles

Skin protection

Protective clothing

General protective measures

Avoid contact with eyes and skin

Hygiene measures

Please observe work hygiene regulations

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
aerosol

Colour
yellowish

Odour
perceptible

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
Flash point	ca. -80 °C				
Ignition temperature	ca. 400 °C				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Density	not determined				
Solubility in water					insoluble

Explosive properties

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

10. STABILITY AND REACTIVITY

Conditions to avoid

Keep away from heat

Materials to avoid

Reactions with strong acids and alkalis.
Reactions with strong oxidising agents.

Hazardous decomposition products

carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION

Experiences made from practice

Contact with the skin and the eyes may cause irritation
Inhalation causes headache/nausea.
Inhalation causes narcotic effect/intoxication.

Additional information

Other hazardous properties may not be excluded
The product is to be handled with the caution usual with chemicals

12. ECOLOGICAL INFORMATION

General regulation

While intended handling are no environmental pollutions admits and to expect.

13. DISPOSAL CONSIDERATIONS

Waste code No.

15 01 04

Name of waste

metallic packaging

Recommendations for the product

Remove in accordance with local official regulations.
Dispose of as hazardous waste.

Recommendations for packaging

Dispose of in accordance with legal regulations.
Uncontaminated packaging may be taken for recycling.

General information

For proper waste disposal a complete emptying of the tin is necessary.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 1950 AEROSOLS, 2.1
transport in "limited quantities" according to 3.4 ADR LQ2 is possible

Marine transport IMDG

UN 1950 AEROSOLS, 2.1
Transport as limited quantities according to 3.4 IMDG Code is possible.

Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1

15. REGULATORY INFORMATION

Remarks for classification

The product is classified and labelled in accordance with EC directives.

Classification

- F+** Extremely flammable
- N** Dangerous for the environment

R-phrases

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

S-phrases

- 1/2 Keep locked up and out of reach of children.
- 16 Keep away from sources of ignition - No smoking.
- 23.4 Do not breathe spray.
- 61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- 9 Keep container in a well-ventilated place.

Special labeling for certain preparations

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

Keep out of the reach of children.

16. OTHER INFORMATION

Recommend uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R-phrases specified in chapter 3 (not the classification of the formulation!)

- R 11 Highly flammable.
- R 38 Irritating to skin.
- R 50/53 Very 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.