



Diamond fluid Magic, oil soluble

Print date 16.02.2023
Revision date 16.02.2023
Version 2.3 (en)
replaces version of 06.09.2021 (2.2)

*** SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1 Product identifier

Trade name/designation Diamond fluid Magic, oil soluble
Product category PC-TEC-11 Lubricants, greases, release agents

Hazard components

Distillates (petroleum), hydro- treated light

*** 1.2 Relevant identified uses of the substance or mixture and uses advised against**

Sector of uses [SU]

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3 Industrial uses

*** Product Categories [PC]**

PC24 Lubricants, greases, release products

*** 1.3 Details of the supplier of the safety data sheet**

Supplier

joke Technology GmbH
Asselborner Weg 14-16
D-51249 Bergisch Gladbach
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60
E-mail info@joke.de
Website <https://www.joke-technology.com/>

Department responsible for information:

Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60

E-mail (competent person):
sida@joke.de

*** 1.4 Emergency telephone number**

Vergiftungs-I-Z. Freiburg +49 (0) 761 / 1 92 40

*** SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP] Classification procedure

Asp. Tox. 1, H304

Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

*** 2.2 Label elements**

*** Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard components

Distillates (petroleum), hydro- treated light

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Hazard pictograms

GHS08

Signal word

Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P331 Do NOT induce vomiting.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.

* **Supplemental hazard information**

EUH066 Repeated exposure may cause skin dryness or cracking.

* **2.3 Other hazards*** **Adverse human health effects and symptoms**

The mixture does not contain substances that are listed on the basis of endocrine disrupting properties according to REACH Article 59(1)

or it has been determined in accordance with the criteria of Delegated Regulation (EU) 2017/2100 or of Commission Regulation (EU) 2018/605, it has been determined that there are no substances with endocrine disrupting properties in a concentration of at least 0.1%.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

* **SECTION 3: Composition / information on ingredients****3.1 Substances**

not applicable

* **3.2 Mixtures****Hazardous ingredients**

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
64742-47-8	265-149-8	Distillates (petroleum), hydro- treated light	50 < 100 weight-%	Asp. Tox. 1; H304	ATE(oral): > 5000 mg/kg ATE(dermal): > 2000 mg/kg ATE(inhalation gas): > 5.28 mg/L
677026-24-3	932-102-4	Alkohol, C 16-18 und C18- ungesättigt, ethoxyliert, propoxyliert	5 < 10 weight-%	Skin Irrit. 2; H315 Aquatic Acute 1; H400 Aquatic Chronic 3; H412	



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*** SECTION 4: First aid measures**

*** 4.1 Description of first aid measures**

*** General information**

If threatening unconsciousness, position and transport in recovery position
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Never give anything by mouth to an unconscious person or a person with cramps.

Following inhalation

Remove casualty to fresh air and keep warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.
Remove contaminated, saturated clothing immediately.
In case of skin irritation, consult a physician.

After eye contact

Eye rinsing with water carefully while protecting unhurt eye.
Remove contact lenses, if possible

Following ingestion

Do NOT induce vomiting.
Observe the aspiration hazard.
If swallowed seek medical advice immediately and show the doctor packing or label.
Rinse mouth immediately and drink plenty of water.

*** 4.2 Most important symptoms and effects, both acute and delayed**

*** Effects**

Pulmonary oedema
May be fatal if swallowed and enters airways

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam
Dry extinguishing powder
Carbon dioxide (CO₂)
Water spray jet

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide
Carbon dioxide (CO₂)



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5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.
Wear full chemical protective clothing.

Additional information

Co-ordinate fire-fighting measures to the fire surroundings.
Use water spray jet to protect personnel and to cool endangered containers.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

*** SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Provide adequate ventilation.
Remove persons to safety.
Use personal protection equipment.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

For emergency responders

Personal protection equipment
Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.
In case of pollution of waters or sewers, inform the competent authorities.

*** 6.3 Methods and material for containment and cleaning up**

*** For containment**

After taking up the material dispose according to regulation.
Wipe up with absorbent material (e.g., cloth, fleece).
Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

*** For cleaning up**

Wipe up with absorbent material (eg. cloth, fleece).

*** 6.4 Reference to other sections**

Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8

*** SECTION 7: Handling and storage**

*** 7.1 Precautions for safe handling**

*** Protective measures**

Keep in a cool, well-ventilated place.
Wear personal protection equipment (refer to section 8).
Do not inhale vapours.
Avoid:
Eye contact
Skin contact



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* **Advices on general occupational hygiene**

Thorough skin-cleansing after handling the product.
When using do not eat, drink, smoke, sniff.
Wash contaminated clothing immediately.
Keep away from food and drink.

* **7.2 Conditions for safe storage, including any incompatibilities**

* **Requirements for storage rooms and vessels**

Keep/Store only in original container.
Ensure adequate ventilation of the storage area.
Keep container tightly closed.

* **Storage class**

10 Combustible liquids that cannot be assigned to any of the above storage classes

* **Materials to avoid**

Keep away from:
Food and feedingstuffs

* **Further information on storage conditions**

Store and transport separate of food.
Protect from direct solar radiation.
Store at 5 to 40°C (=41 to 104°F).
Keep only in the original container in a cool, well-ventilated place.

7.3 Specific end use(s)

No data available

* **SECTION 8: Exposure controls/personal protection**

8.1 Control parameters

No data available

* **8.2 Exposure controls**

* **Appropriate engineering controls**

* **Technical measures to prevent exposure**

ventilation system

* **Personal protection equipment**

* **Eye/face protection**

tightly fitting goggles
EN 166

* **Hand protection**

Information on glove material: NBR (nitrile rubber), Thickness:> 0,4 mm, Breakthrough time (maximum wearing time):> 480 min.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

* **Body protection:**

Protective clothing

* **Respiratory protection**

Respiratory protection necessary at:
insufficient ventilation
Filter A or environment-independent breathing apparatus

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- * **Remark**
 Check leak tightness/impermeability prior to use.

Environmental exposure controls**Technical measures to prevent exposure**

See section 7. No additional measures necessary.

* **SECTION 9: Physical and chemical properties*** **9.1 Information on basic physical and chemical properties****Physical state**

liquid

Colour

colourless

Odour

characteristic

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	not determined		
flammability	not determined		
Lower and upper explosion limit	Upper explosion limit 5.5 Vol-%		
Lower and upper explosion limit	Lower explosion limit 0.6 Vol-%		
Flash point	77 °C		
Auto-ignition temperature	236 °C		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	kinematic 10 s (20°C)	DIN 53211	
Solubility(ies)	Water solubility		practically insoluble
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	0.56 mbar		
Density and/or relative density	1 g/cm ³ (20°C)		
Relative vapour density	not determined		
particle characteristics	not determined		

* **9.2 Other information*** **Other safety characteristics**

	Value	Method	Source, Remark
Explosive properties			The product is not explosive.

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	Value	Method	Source, Remark
Oxidising properties			Not oxidising.

* **SECTION 10: Stability and reactivity****10.1 Reactivity**

No hazardous reactions known.

10.2 Chemical stability

stable

* **10.3 Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

High temperatures, ignition sources, incompatible materials

10.5 Incompatible materials

Alkali (lye), concentrated
 Acid, concentrated
 Oxidising agent, strong

10.6 Hazardous decomposition products

Carbon dioxide
 Nitrogen oxides (NO_x)
 Carbon monoxide

* **SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008*** **Acute toxicity*** **Animal data**

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light LD50: > 5000 mg/kg Species Rat		
Acute dermal toxicity	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light LD50: > 2000 mg/kg Species Rabbit		
Acute inhalation toxicity	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light Acute inhalation toxicity (gas) LC50: > 5.28 mg/L Species Rat Exposure time 4 h		



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- * **Assessment/classification**
Based on available data, the classification criteria are not met.

- * **Skin corrosion/irritation**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.

- * **Serious eye damage/irritation**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.

- * **Sensitisation to the respiratory tract**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.

- * **Skin sensitisation**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.

- * **Germ cell mutagenicity**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.

- * **Carcinogenicity**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.
No indication of carcinogenicity in humans

- * **Reproductive toxicity**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.
No evidence of reproductive toxicity in humans available

- * **Overall Assessment on CMR properties**
The mixture is not classified as mutagenic / not classified as carcinogenic / not classified as toxic for reproduction

- * **STOT-single exposure**
- * **STOT SE 1 and 2**
- * **Other information**
The mixture is not classified as specific target organ toxic (single exposure).

- * **Assessment/classification**
Based on available data, the classification criteria are not met.

- * **STOT-repeated exposure**
- * **Other information**
The mixture is not classified as specific target organ toxic (repeated exposure).

- * **Assessment/classification**
Based on available data, the classification criteria are not met.

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Aspiration hazard**Remark**

May be fatal if swallowed and enters airways.

11.2 Information on other hazards**Symptoms related to the physical, chemical and toxicological characteristics**

- * **Additional information**
Based on available data, the classification criteria are not met.
- * **Other information**
Based on available data, the classification criteria are not met.

*** SECTION 12: Ecological information***** 12.1 Toxicity***** Aquatic toxicity**

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light LL50 2- 5 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light EL50 1.4 mg/L Species Daphnia magna (Big water flea) Test duration 48 h		
Chronic (long-term) toxicity to aquatic invertebrate	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light NOEC 0.48 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		
Acute (short-term) toxicity to algae and cyanobacteria	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light EL50 1- 3 mg/L Test duration 72 h		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light NOEC: 1 mg/L Test duration 48 h		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

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*** 12.2 Persistence and degradability**

	Value	Method	Source, Remark
Biodegradation	Degradation rate 61 % Test duration 28 d	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light In accordance with the required stability the product is poorly biodegradable.
Biodegradation	Degradation rate 48 % Test duration 10 d	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light

12.3 Bioaccumulative potential**Assessment/classification**

This information is not available.

12.4 Mobility in soil**Assessment/classification**

This information is not available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects**Additional ecotoxicological information****Additional information**

This information is not available.

*** SECTION 13: Disposal considerations***** 13.1 Waste treatment methods****Appropriate disposal / Product**

Dispose of waste according to applicable legislation.

*** Appropriate disposal / Package**

Dispose of according to official regulations.

*** Remark**

Recycle according to official regulations.

*** SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-



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	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No

* **14.6 Special precautions for user**
 not applicable

* **14.7 Maritime transport in bulk according to IMO instruments**
 not applicable

* **All transport carriers**
 not applicable

Land transport (ADR/RID)

Remark
 No data available

Sea transport (IMDG)

Remark
 No data available

Air transport (ICAO-TI / IATA-DGR)

Remark
 No data available

* **SECTION 15: Regulatory information**

* **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

* **Other regulations (EU)**

* **To follow:**
 Contains no REACH candidate substance.
 Contains no substance listed in REACH Annex XIV.

15.2 Chemical Safety Assessment

* **National regulations**

Chemical safety assessments for substances in this mixture were not carried out.



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*** SECTION 16: Other information**

*** Abbreviations and acronyms**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP: Classification, Labelling and Packaging
DMEL: Derived Minimal Effect Level
DNEL: derived no-effect level
EC50: Effective Concentration 50%
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
LC50: Lethal (fatal) Concentration 50%
LD50: Lethal (fatal) Dose 50%
LOAEL: Lowest Observed Adverse Effect Level
NOAEC: no observed adverse effect concentration
NOEC: No Observed Effect Concentration
OECD: Organisation for Economic Cooperation and Development
PBT: persistent and bioaccumulative and toxic
PNEC: Predicted No Effect Concentration
REACH: Registration, Evaluation and Authorization of Chemicals
STP: sewage treatment plant
vPvB: very persistent, very bioaccumulative

Key literature references and sources for data

Datasheets of the manufacturer

Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Relevant H- and EUH-phrases (Number and full text)

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Indication of changes

* Data changed compared with the previous version