

**Diamond fluid Hyprez® OS, oil soluble**

Print date 22.11.2023  
Revision date 22.11.2023  
Version 3.1 (en)  
replaces version of 12.03.2021 (3.0)



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

**1.1 Product identifier**

**Trade name/designation** Diamond fluid Hyprez® OS, oil soluble

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

**\* Sector of uses [SU]**

SU3 Industrial uses

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

**\* Use of the substance/mixture**

Cutting, grinding, polishing

**\* Uses advised against**

This information is not available.

**\* 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](mailto: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](mailto:sida@joke.de)

**1.4 Emergency telephone number**

Vergiftungs-I-Z. Freiburg (Sprache / Language: DE, EN) +49 (0) 761 / 1 92 40  
Emergency Hospital "Pirogov", Bulgaria +359 (2) 9154233

**\* 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 pictograms**



GHS08

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**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%.

May be fatal if swallowed and enters airways.

**Adverse environmental effects**

No data available

\* **Results of PBT and vPvB assessment**

Product does not contain any PBT / vPvB substances according to the formulation.

\* **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	45 - 55 weight-%	Asp. Tox. 1; H304 Aquatic Chronic 2; H411	ATE(oral): > 15000 mg/kg ATE(dermal): > 2000 mg/kg ATE(inhalation dust/mist): 5.2 mg/L
64742-48-9	265-150-3	Naphtha (petroleum), hydrotreated heavy	30 - 40 weight-%	Carc. 1B; H350 Muta. 1B; H340 Asp. Tox. 1; H304 Flam. Liq. 3; H226 Aquatic Chronic 2; H411	ATE(oral): > 15000 mg/kg ATE(dermal): > 3160 mg/kg

REACH No.	Substance name
01-2119463258-33	Naphtha (petroleum), hydrotreated heavy

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**\* SECTION 4: First aid measures**

**\* 4.1 Description of first aid measures**

**\* General information**

Call a physician immediately.

**\* Following inhalation**

Remove casualty to fresh air and keep warm and at rest.  
If breathing is irregular or stopped, administer artificial respiration.  
Seek medical advice immediately.  
In case of difficulty in breathing, give oxygen.

**Following skin contact**

After contact with skin, wash immediately with plenty of water and soap.  
Remove contaminated, saturated clothing immediately.

**After eye contact**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

**Following ingestion**

Do NOT induce vomiting.  
Silence.  
Seek medical advice immediately.

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

**\* Effects**

Repeated contact may cause  
brittle or cracked skin.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Notes for the doctor**

Treat symptomatically.  
Provide the doctor with the safety data sheet.

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**\* SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Foam  
Dry extinguishing powder  
Carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media**

Full water jet

**5.2 Special hazards arising from the substance or mixture**

**Hazardous combustion products**

Carbon monoxide  
Carbon oxides  
Carbon dioxide (CO<sub>2</sub>)

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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**

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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**\* 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.

**\* For emergency responders**  
Personal protection equipment  
Ensure adequate ventilation.

**\* 6.2 Environmental precautions**

Avoid release into the environment

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

**For containment**  
Send in suitable containers for recovery or disposal.  
Take up with absorbent material.  
Take up mechanically and send for disposal.

**\* 6.4 Reference to other sections**

Personal protection equipment: see section 8  
Disposal: see section 13

**\* Additional information**

Wet clean or vacuum up solids.

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**\* SECTION 7: Handling and storage**

**\* 7.1 Precautions for safe handling**

**\* Protective measures**  
Use only in well-ventilated areas.  
Usual measures for fire prevention.  
Wear personal protection equipment (refer to section 8).

**Advices on general occupational hygiene**

When using do not eat, drink, smoke, sniff.  
Remove contaminated, saturated clothing immediately.  
Wash contaminated clothing immediately.  
Thorough skin-cleansing after handling the product.  
Work in rooms with good ventilation.

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

**\* Packaging materials:**

It is recommended to test the compatibility with certain plastic materials.

**\* 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**

Do not store together with:  
Food and feedingstuffs  
Oxidising agent

**\* Further information on storage conditions**

Storage: cool and dry  
Keep only in the original container in a cool, well-ventilated place.  
Protect from heat and direct solar radiation.  
Do not store the product near naked flames, heat or sources of ignition.

**7.3 Specific end use(s)**

**Recommendation**

See section 1.2

**Industrial sector specific solutions**

No data available

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

**\* 8.1 Control parameters**

**\* DNEL worker**

CAS No.	Substance name	DNEL value	DNEL type	Remark
64742-48-9	Naphtha (petroleum), hydrotreated heavy	208 mg/kg	long-term dermal (systemic)	
64742-48-9	Naphtha (petroleum), hydrotreated heavy	871 mg/m <sup>3</sup>	long-term inhalative (systemic)	

**\* DNEL Consumer**

CAS No.	Substance name	DNEL value	DNEL type	Remark
64742-48-9	Naphtha (petroleum), hydrotreated heavy	125 mg/kg	Long-term – oral, systemic effects	
64742-48-9	Naphtha (petroleum), hydrotreated heavy	125 mg/kg	long-term dermal (systemic)	
64742-48-9	Naphtha (petroleum), hydrotreated heavy	185 mg/m <sup>3</sup>	long-term inhalative (systemic)	

**\* 8.2 Exposure controls**

**Appropriate engineering controls**

**Technical measures to prevent exposure**

No data available



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**Personal protection equipment**

**Eye/face protection**

safety goggles

**Hand protection**

impermeable gloves

**Body protection:**

Protective clothing

**Respiratory protection**

Respiratory protection necessary at:  
high concentrations

\* **Environmental exposure controls**

\* **Remark**

Avoid release into the environment.

\* **SECTION 9: Physical and chemical properties**

\* **9.1 Information on basic physical and chemical properties**

**Physical state**

liquid

**Colour**

blue

**Odour**

odourless

**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	191.1- 250.6 °C		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	62.2 °C	closed cup	
Auto-ignition temperature	337.8 °C		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	4- 5 cP		
Viscosity	Kinematic viscosity < 1 mm²/s (37.8°C)		CAS No.64742-48-9 Naphtha (petroleum), hydrotreated heavy
Solubility(ies)	Water solubility		dispersible

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	Value	Method	Source, Remark
Partition coefficient n-octanol/water (log value)	3.3- 6		CAS No.64742-47-8 Distillates (petroleum), hydro- treated light
Partition coefficient n-octanol/water (log value)	2.1- 6		CAS No.64742-48-9 Naphtha (petroleum), hydrotreated heavy
Vapour pressure	not determined		
Density and/or relative density	Relative density 0.8		
Relative vapour density	not determined		
particle characteristics	not determined		

\* **9.2 Other information**

\* **Other information**  
 No data available

\* **SECTION 10: Stability and reactivity**

\* **10.1 Reactivity**

This material is considered to be non-reactive under normal use conditions.

\* **10.2 Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

\* **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**

Acid  
 Oxidising agent, strong

**10.6 Hazardous decomposition products**

In case of fire: carbon monoxide and carbon dioxide.

**Additional information**

This information is not available.

\* **SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

\* **Acute toxicity**

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* <b>Animal data</b>			
	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light LD50: > 15000 mg/kg Species Rat		
	CAS No.64742-48-9 Naphtha (petroleum), hydrotreated heavy LD50: > 15000 mg/kg Species Rat		
Acute dermal toxicity	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light LD50: > 2000 mg/kg Species Rabbit		
	CAS No.64742-48-9 Naphtha (petroleum), hydrotreated heavy LD50: > 3160 mg/kg Species Rabbit		
Acute inhalation toxicity	CAS No.64742-47-8 Distillates (petroleum), hydro- treated light Acute inhalation toxicity (dust/mist) LC50: 5.2 mg/L Species Rat		

\* **Skin corrosion/irritation**

not determined

**Serious eye damage/irritation****Animal data**

Result / Evaluation	Method	Source, Remark
Irritant.		

**Sensitisation to the respiratory tract****Assessment/classification**

No data available

**Skin sensitisation****Animal data**

Result / Evaluation	Dose / Concentration	Method	Source, Remark
No data available			

\* **Germ cell mutagenicity**

not determined

\* **Carcinogenicity**

not determined

\* **Reproductive toxicity**

not determined



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\* **STOT-single exposure**

not determined

\* **STOT-repeated exposure**

not determined

**Aspiration hazard**

**Remark**

May be fatal if swallowed and enters airways.

**11.2 Information on other hazards**

No data available

\* **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 LC50: 2.4 mg/L		
	CAS No.64742-48-9 Naphtha (petroleum), hydrotreated heavy LC50: 2200 mg/L		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	CAS No.64742-48-9 Naphtha (petroleum), hydrotreated heavy LC50 2.6 mg/L		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

\* **12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

**Assessment/classification**

No data available

**12.4 Mobility in soil**

**Assessment/classification**

No data available

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\* **12.5 Results of PBT and vPvB assessment**

Product does not contain any PBT / vPvB substances according to the formulation.

**12.6 Endocrine disrupting properties**

No data available

**12.7 Other adverse effects**

\* **Additional ecotoxicological information**

\* **Additional information**

An environmental hazard cannot be ruled out in the event of unprofessional handling or disposal  
The product is not considered harmful to aquatic organisms nor does it cause long-term damage to the environment.

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**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.

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**SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1 UN number or ID number</b>	-	-	-
<b>14.2 UN proper shipping name</b>	-	-	-
<b>14.3 Transport hazard class(es)</b>	-	-	-
<b>14.4 Packing group</b>	-	-	-
<b>14.5 Environmental hazards</b>	-	-	-

**14.6 Special precautions for user**

No data available

**14.7 Maritime transport in bulk according to IMO instruments**

No data available

**All transport carriers**

No data available

**Land transport (ADR/RID)**

**Remark**

Not classified for this transport carrier.

**Sea transport (IMDG)**

**Remark**

No data available



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**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**

**\* EU legislation**

**Authorisations**

No data available

**Restrictions on use**

No data available

**\* Restrictions of occupation**

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).  
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

**\* 15.2 Chemical Safety Assessment**

**\* National regulations**

For this substance a chemical safety assessment has not been carried out.

**\* SECTION 16: Other information**

**\* Indication of changes**

\* Data changed compared with the previous version

**\* Abbreviations and acronyms**

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE: Acute Toxicity Estimate  
BLV: Biological Limit Value  
BOD: Biochemical (Biological) Oxygen Demand  
COD: Chemical Oxygen Demand  
DMEL: Derived Minimal Effect Level  
DNEL: derived no-effect level  
REACH: Registration, Evaluation and Authorization of Chemicals  
SVHC: Substance of Very High Concern  
EC50: Effective Concentration 50%  
IARC: International Agency for Research on Cancer  
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  
NOAEL: No Observed Adverse Effect Level  
OECD: Organisation for Economic Cooperation and Development  
PBT: persistent and bioaccumulative and toxic  
vPvB: very persistent, very bioaccumulative  
RID: Dangerous goods regulations for transport by rail  
CAS: Chemical Abstracts Service  
VOC: Volatile organic compounds

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**Key literature references and sources for data**

European Chemicals Agency, <http://echa.europa.eu/>.  
Datasheets of the manufacturer

\*

**Additional information**

National and local regulations concerning chemicals shall be observed.

This safety data sheet complies with the requirements of Commission Regulation (EU) 2020/878 amending Regulation (EC) No 1907/2006.

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)**

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H340	May cause genetic defects.
H350	May cause cancer.
H411	Toxic to aquatic life with long lasting effects.

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**Indication of changes**

\* Data changed compared with the previous version