



**Diamantfluid Hyprez® W, water soluble**

Print date 05.06.2024  
Revision date 05.06.2024  
Version 2.3 (en)  
replaces version of 05.06.2020 (2.2)

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

**\* 1.1 Product identifier**

**Trade name/designation** Diamantfluid Hyprez® W, water soluble

**\* 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]**

Abrasive

**Use of the substance/mixture**

Polishing agent for the treatment of metallic surfaces and painted surfaces  
Polishing agent

**\* 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  
REACH and CLP UK CA Help Desk +44 171 635 9191

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**\* SECTION 2: Hazards identification**

**\* 2.1 Classification of the substance or mixture**

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

Repr. 1B, H360FD

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**Hazard statements for health hazards**

H360FD May damage fertility. May damage the unborn child.

**2.2 Label elements**

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

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**Hazard pictograms**



GHS08

**Signal word**

Danger

**Hazard statements**

H360FD May damage fertility. May damage the unborn child.

**Precautionary statements**

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P280 Wear protective gloves/protective clothing and eye protection/face protection.  
 P308 + P313 IF exposed or concerned: Get medical advice/attention.  
 P405 Store locked up.  
 P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.

\* **Additional information**

The mixture does not contain substances listed for endocrine disrupting properties according to REACH Article 59(1) or it has been determined according to the criteria of Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 that it does not contain substances with endocrine disrupting properties in a concentration equal to or greater than 0.1%.

\* **2.3 Other hazards**

\* **Adverse human health effects and symptoms**

May irritate nasal mucosa and respiratory tract.

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

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

\* **SECTION 3: Composition / information on ingredients**

**3.1 Substances**

not applicable

\* **3.2 Mixtures**

**Hazardous ingredients**

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
57-55-6	200-338-0	NA	Propylenglykol	30 - 60 weight-%		ATE(oral): 22000 mg/kg ATE(dermal): > 2000 mg/kg ATE(inhalation gas): > 44.9 mg/L
56-81-5	200-289-5	NA	Glycerine	1 - 5 weight-%		ATE(oral): 27200 mg/kg ATE(dermal): 56750 mg/kg ATE(inhalation vapour): > 2.75 mg/L

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CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
1303-96-4	215-540-4	005-011-01-1	disodium tetraborate decahydrate	1 - 5 weight-%	Repr. 1B; H360FD Acute Tox. 4; H332 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	Repr. 1B; H360Fd: 8,5 =C < 100  ATE(oral): 2660 mg/kg ATE(dermal): > 2000 mg/kg ATE(Acute inhalation toxicity): 2.03 mg/L
REACH No.		Substance name				
01-2119456809-23		Propylenglykol				

\* **SECTION 4: First aid measures**\* **4.1 Description of first aid measures**\* **General information**

In the event of persistent symptoms receive medical treatment.

\* **Following inhalation**

In case of inhalation remove the casualty into fresh air and seek medical advice.

\* **Following skin contact**

After contact with skin, wash immediately with plenty of water and soap.

**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**

Seek medical advice immediately.

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

Irritating

**Effects**

No data available

**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**

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



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**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>)

**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.  
Keep people away and stay on the upwind side.  
Use personal protection equipment.

**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**

Soak up spilled liquid with absorbent.  
After taking up the material dispose according to regulation.

**\* For cleaning up**

Dispose of substances or residual quantities in solid form to an approved facility.

**\* 6.4 Reference to other sections**

Disposal: see section 13

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

**\* 7.1 Precautions for safe handling**

**\* Protective measures**

Usual measures for fire prevention.  
Wear personal protection equipment (refer to section 8).

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**Advices on general occupational hygiene**

When using do not eat, drink, smoke, sniff.  
 Remove contaminated, saturated clothing immediately.  
 Wash contaminated clothing immediately.  
 Wash hands before breaks and after work.

**\* 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.  
 Keep container tightly closed.

**\* Materials to avoid**

Do not store together with:  
 Food and feedingstuffs

**\* Further information on storage conditions**

Store and transport separate of food.  
 Keep 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**

**\* Occupational exposure limit values**

CAS No	EC No	Substance name	occupational exposure limit value
56-81-5	200-289-5	Glycerol, mist	10 [mg/m <sup>3</sup> ] (IE)
57-55-6		Propane-1,2-diol, particulates	10 [mg/m <sup>3</sup> ] (IE)
57-55-6		Propane-1,2-diol, total vapour and particulates	150 [ml/m <sup>3</sup> (ppm)] 470 [mg/m <sup>3</sup> ] (IE)
56-81-5	200-289-5	Glycerol, mist	10 [mg/m <sup>3</sup> ] (UK)
57-55-6		Propane-1,2-diol, particulates	10 [mg/m <sup>3</sup> ] (UK)
57-55-6		Propane-1,2-diol, total vapour and particulates	150 [ml/m <sup>3</sup> (ppm)] 474 [mg/m <sup>3</sup> ] (UK)

**\* 8.2 Exposure controls**

**Personal protection equipment**

**Eye/face protection**

safety goggles

**Hand protection**

Gloves with long cuffs



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**Body protection:**

Protective clothing

**Respiratory protection**

Respiratory protection necessary at:  
 high concentrations

\* **Environmental exposure controls**

**Technical measures to prevent exposure**

Take appropriate protective measures to limit or prevent emissions.

\* **Remark**

Avoid release into the environment.

**Additional information**

No data available

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

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

**Physical state**

liquid

**Colour**

colourless

**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	100 °C		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	> 93.3 °C		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	in delivery state approx. 7		
Viscosity	Dynamic viscosity 5- 10 cP		
Viscosity	Kinematic viscosity 41.426 mm <sup>2</sup> /s		CAS No57-55-6 Propylenglykol
Solubility(ies)	Water solubility		soluble

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	Value	Method	Source, Remark
Partition coefficient n-octanol/water (log value)	-1.75 (25°C)	OECD 107	CAS No56-81-5 Glycerine
Partition coefficient n-octanol/water (log value)	-1.07 pH 20.5		CAS No57-55-6 Propylenglykol
Vapour pressure	not determined		
Density and/or relative density	Relative density 1		not determined
Relative vapour density	not determined		
particle characteristics	not determined		

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

	Value	Method	Source, Remark
Surface tension	63.4 mN/m (20°C) Concentration 1000 g/L		CAS No56-81-5 Glycerine
Surface tension	71.6 mN/m (21.5°C) Concentration 101 g/L		CAS No57-55-6 Propylenglykol

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

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

**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**

Oxidising agent, strong

**\* 10.6 Hazardous decomposition products**

Carbon monoxide  
Carbon dioxide

**\* 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 No1303-96-4 disodium tetraborate decahydrate LD50: 2660 mg/kg Species Rat		
	CAS No56-81-5 Glycerine LD50: 27200 mg/kg Species Rat		
	CAS No57-55-6 Propylenglykol LD50: 22000 mg/kg Species Rat		
Acute dermal toxicity	CAS No1303-96-4 disodium tetraborate decahydrate LD50: > 2000 mg/kg Species Rabbit		
	CAS No56-81-5 Glycerine LD50: 56750 mg/kg Species Guinea pig		
	CAS No57-55-6 Propylenglykol LD50: > 2000 mg/kg Species Rabbit		
Acute inhalation toxicity	CAS No1303-96-4 disodium tetraborate decahydrate LC50: 2.03 mg/L		
	CAS No56-81-5 Glycerine Acute inhalation toxicity (vapour) LC50: > 2.75 mg/L Species Rat Exposure time 4 h		
	CAS No57-55-6 Propylenglykol Acute inhalation toxicity (gas) LC50: > 44.9 mg/L Species Rat Exposure time 4 h		

\* **Skin corrosion/irritation**\* **Assessment/classification**

This information is not available.

\* **Serious eye damage/irritation**\* **Assessment/classification**

This information is not available.





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**Sensitisation to the respiratory tract**

**Assessment/classification**

No data available

\* **Skin sensitisation**

\* **Assessment/classification**

This information is not available.

\* **Germ cell mutagenicity**

\* **Assessment/classification**

This information is not available.

\* **Carcinogenicity**

\* **Assessment/classification**

This information is not available.

\* **Reproductive toxicity**

\* **Assessment/classification**

May damage fertility. Suspected of damaging the unborn child.

\* **STOT-single exposure**

\* **STOT SE 1 and 2**

**Other information**

No data available

\* **STOT SE 3**

\* **Irritation to respiratory tract**

\* **Assessment/classification**

This information is not available.

\* **Narcotic effects**

\* **Assessment/classification**

This information is not available.

\* **STOT-repeated exposure**

\* **Animal data**

	Effective dose	Method	Specific effects:	Organs affected:	Source, Remark
Oral specific target organ toxicity (repeated exposure)	CAS No57-55-6 Propylenglykol NOAEL(C): 443 mg/kg bw/day Exposure duration 90 d				

**Other information**

No data available

**Aspiration hazard**

**Remark**

No data available

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**11.2 Information on other hazards****Other information**

No data available

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

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No1303-96-4 disodium tetraborate decahydrate LC50: 100- 1000 mg/L Test duration 96 h		
	CAS No1303-96-4 disodium tetraborate decahydrate LC50: 1900 mg/L Species Pimephales promelas (fathead minnow)		
	CAS No56-81-5 Glycerine LC50: 54000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		
	CAS No57-55-6 Propylenglykol LC50: 40613 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		
	CAS No57-55-6 Propylenglykol LC50: 51400 mg/L Species Pimephales promelas (fathead minnow)		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	CAS No1303-96-4 disodium tetraborate decahydrate EC50 141 mg/L Species Daphnia magna (Big water flea) Test duration 48 h		
	CAS No56-81-5 Glycerine EC50 > 10000 mg/L Species Daphnia magna (Big water flea) Test duration 24 h		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		



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	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) toxicity to algae and cyanobacteria	CAS No1303-96-4 disodium tetraborate decahydrate EC50 66 mg/L Test duration 72 h		
	CAS No1303-96-4 disodium tetraborate decahydrate EC50 158 mg/L Species Scenedesmus subspicatus Test duration 96 h		
	CAS No1303-96-4 disodium tetraborate decahydrate ErC50: 2.6- 21.8 mg/L		
	CAS No57-55-6 Propylenglykol EC50 24200 mg/L Species Pseudokirchnerella subcapitata Test duration 72 h		
	CAS No57-55-6 Propylenglykol EC50 19300 mg/L Species Skeletonema costatum Test duration 72 h		
	CAS No57-55-6 Propylenglykol EC50 19000 mg/L Species Pseudokirchnerella subcapitata Test duration 96 h		
	CAS No57-55-6 Propylenglykol EC50 19100 mg/L Species Skeletonema costatum Test duration 96 h		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		



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\* **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

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

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 Endocrine disrupting properties**

No data available

**12.7 Other adverse effects**

\* **Additional ecotoxicological information**

	Value	Method	Source, Remark
Theoretical oxygen demand (ThOD):	1.217 g/g		CAS No56-81-5 Glycerine
Theoretical oxygen demand (ThOD):	1.69 g/g		CAS No57-55-6 Propylenglykol
Chemical oxygen demand (COD)	1.16 mgO <sub>2</sub> /g		CAS No56-81-5 Glycerine
Chemical oxygen demand (COD)	1.63 mgO <sub>2</sub> /g		CAS No57-55-6 Propylenglykol
Biochemical oxygen demand	0.87 mgO <sub>2</sub> /g		CAS No56-81-5 Glycerine
Biochemical oxygen demand	0.96- 1.08 mgO <sub>2</sub> /g		CAS No57-55-6 Propylenglykol
Total organic carbon (TOC):			No data available
AOX			No data available

\* **Additional information**

An environmental hazard cannot be ruled out in the event of unprofessional handling or disposal

\* **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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- \* **Remark**  
 Dispose according to legislation.

**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

**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**  
 No data available

**15.2 Chemical Safety Assessment**  
 No data available

\* **SECTION 16: Other information**

\* **Indication of changes**  
 \* Data changed compared with the previous version



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\* **Abbreviations and acronyms**

Eye Irrit. 2: Eye irritation, Category 2  
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  
BOD: Biochemical (Biological) Oxygen Demand  
COD: Chemical Oxygen Demand  
DNEL: derived no-effect level  
DMEL: Derived Minimal Effect Level  
EC50: Effective Concentration 50%  
EN: European Standard  
ECHA: European Chemicals Agency  
ErC50: Effective Concentration 50 % reduction in growth rate  
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  
LOAEC: Lowest Observed Adverse Effect Concentration  
NOAEL: No Observed Adverse Effect Level  
NOAEC: no observed adverse effect concentration  
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  
ThOD: Theoretical Oxygen Demand  
Repr. 1B: Reproductive toxicant, Category 1B  
Aquatic Chronic 3: Long-term (chronic) aquatic hazard, Category 3  
Acute Tox. 4, H332: Acute Toxicity (inhalation), Category 4

\* **Key literature references and sources for data**

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)**

H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H360FD May damage fertility. May damage the unborn child.  
H412 Harmful to aquatic life with long lasting effects.

\* **Indication of changes**

\* Data changed compared with the previous version