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

1.1 Product identifier

Trade name/designation Diamantfluid joke Magic ALU

* 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

* **Use of the substance/mixture**
PC 24 lubricant, lubricant and separating 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-51429 Bergisch Gladbach
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60
E-mail info@joke.de
Website www.joke.de

Department responsible for information:
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60

E-mail (competent person):
safety-data-sheet@joke.de

1.4 Emergency telephone number

Vergiftungs-I-Z. Freiburg	+49 (0) 761 / 1 92 40
REACH and CLP UK CA Help Desk	+44 171 635 9191

* SECTION 2: Hazards identification

* 2.1 Classification of the substance or mixture

Remark
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

* 2.2 Label elements

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

Special rules on packaging
This information is not available.

* **Remark**
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

* **Additional information**
This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

* **Additional information**
For this product, a hazard label is not required according to section 1.3.4 of Annex I of the CLP regulation.

* **2.3 Other hazards**

* **Adverse human health effects and symptoms**
This product does not contain any hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.
foreseeable conditions of use.

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

Additional information
This mixture does not contain any notifiable substances according to the criteria of 3.2 of Annex II of the REACH Regulation.

* 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).

* **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.

After eye contact
Eye rinsing with water carefully while protecting unhurt eye.
Remove contact lenses, if possible
Seek medical advice immediately.

* **Following ingestion**
Rinse mouth immediately and drink plenty of water.

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

Symptoms
This information is not available.

* **Effects**
No hazards worthy of special mention.

* **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
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
In the event of fire the following can be released:
Carbon monoxide
Carbon dioxide (CO2)

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.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.
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.
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
Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
Wipe up with absorbent material (e.g., cloth, fleece).
After taking up the material dispose according to regulation.

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**
Take the usual precautions when handling with chemicals.
Wear personal protection equipment (refer to section 8).
Provide adequate ventilation as well as local exhaustion at critical locations.

Advices on general occupational hygiene
When using do not eat, drink, smoke, sniff.
Remove contaminated, saturated clothing immediately.
Thorough skin-cleansing after handling the product.

* 7.2 Conditions for safe storage, including any incompatibilities

* **Requirements for storage rooms and vessels**
Ensure adequate ventilation of the storage area.
Keep container tightly closed.
Keep/Store only in original container.

* **Storage class**
10-13 Sonstige brennbare und nicht brennbare Stoffe

* **Further information on storage conditions**
Store and transport separate of food.
Keep container tightly closed in a cool, well-ventilated place.
5 - 30 °C
Protect from heat and direct solar radiation.

7.3 Specific end use(s)

Recommendation
This information is not 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**
It is recommended to check the chemical resistance of the specified protective gloves for special applications with the glove manufacturer.
EN 374
NBR (Nitrile rubber)

Body protection:
chemical resistant clothing recommended

Respiratory protection
Not required for normal handling.

Environmental exposure controls

Technical measures to prevent exposure
Take appropriate protective measures to limit or prevent emissions.

* SECTION 9: Physical and chemical properties

* 9.1 Information on basic physical and chemical properties

Physical state
liquid

Colour
orange

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	100 °C		
flammability	not determined		
Lower and upper explosion limit	Upper explosion limit 11.7 Vol-%		
Lower and upper explosion limit	Lower explosion limit 2.6 Vol-%		
Flash point	not determined		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	kinematic 12 s (23°C)	DIN 53211, 4mm	

	Value	Method	Source, Remark
Solubility(ies)	Water solubility		partially soluble
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	1.03 g/mL (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.

* 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 reactions known.

10.4 Conditions to avoid

High temperatures, ignition sources, incompatible materials

* 10.5 Incompatible materials

Oxidising agent, strong
Alkali (lye)
Acid

* 10.6 Hazardous decomposition products

In case of fire: carbon monoxide and carbon dioxide.
Nitrogen oxides (NOx)

* 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	not determined		
Acute dermal toxicity	not determined		
Acute inhalation toxicity	not determined		

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

* **Skin corrosion/irritation**

Animal data

Result / Evaluation	Method	Source, Remark
non-irritant.		

* **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.

* **Additional information**
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.

* **Reproductive toxicity**

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

* **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**

* **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).

* **Aspiration hazard**

* **Remark**
The mixture is not classified as toxic to aspiration

* **Symptoms related to the physical, chemical and toxicological characteristics**

* **In case of ingestion**
Based on available data, the classification criteria are not met.

* **In case of skin contact**
Based on available data, the classification criteria are not met.

* **In case of inhalation**
Based on available data, the classification criteria are not met.

11.2 Information on other hazards

* **Other information**

Toxicological data are not available.
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	not determined		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	not determined		
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		

* **Assessment/classification**
This information is not available.

* **12.2 Persistence and degradability**

* **Assessment/classification**
This information is not 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

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
Material has no ecologically harmfull effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
120109 *	machining emulsions and solutions free of halogens

Appropriate disposal / Product
Dispose of waste according to applicable legislation.

Appropriate disposal / Package
No data available

* 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	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No

* 14.6 Special precautions for user

This information is not available.

14.7 Maritime transport in bulk according to IMO instruments

This information is not available.

All transport carriers
No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

Land transport (ADR/RID)

Remark
Not classified for this transport carrier.

Sea transport (IMDG)

Remark
Not classified for this transport carrier.

Air transport (ICAO-TI / IATA-DGR)

Remark
Not classified for this transport carrier.

* 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

Other regulations (EU)

To follow:
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.

* SECTION 16: Other information

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

* **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

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

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

* **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.

* **Indication of changes**

* Data changed compared with the previous version