



Diamond paste cleaner joke Magic, spray can

Print date 30.03.2023
Revision date 30.03.2023
Version 2.1 (en)
replaces version of 10.01.2020 (2.0)

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

1.1 Product identifier

Trade name/designation Diamond paste cleaner joke Magic, spray can

*** 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

*** Uses advised against**

No data 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
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
REACH and CLP UK CA Help Desk +44 171 635 9191

*** SECTION 2: Hazards identification**

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

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

Flam. Liq. 2, H225
Eye Irrit. 2, H319

Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

Hazard statements for health hazards

H319 Causes serious eye irritation.

*** 2.2 Label elements**

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



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Hazard pictograms



GHS02



GHS07

Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.

* **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 Keep container tightly closed.
 P280 Wear protective gloves/protective clothing and eye/face protection.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P403 + P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.

* **2.3 Other hazards**

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
64-17-5	200-578-6	ethanol	50 - 100 weight-%	Flam. Liq. 2; H225 Eye Irrit. 2; H319	Eye Irrit. 2; H319: C>=50 ATE(oral): 10470 mg/kg ATE(inhalation vapour): 124.7 mg/L
78-93-3	201-159-0	butanone	0.5 - 1 weight-%	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	

REACH No.	Substance name
01-2119457610-43-0000	ethanol
01-2119457290-43-0000	butanone

* **Remark**

Full text of H- and EUH-phrases: see section 16.



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*** SECTION 4: First aid measures**

*** 4.1 Description of first aid measures**

*** General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

If threatening unconsciousness, position and transport in recovery position

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**

Take off contaminated clothing.

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

*** After eye contact**

Eye rinsing with water carefully while protecting unhurt eye.

Remove contact lenses, if possible

In case of eye irritation consult an ophthalmologist.

*** Following ingestion**

Rinse mouth immediately and drink plenty of water.

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

*** Symptoms**

Irritating

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**

Carbon dioxide (CO₂)

Dry extinguishing powder

Water spray jet

alcohol resistant foam

Unsuitable extinguishing media

Full water jet

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

*** Hazardous combustion products**

Carbon monoxide

Carbon dioxide (CO₂)

Dangerous smoke can arise.



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* **5.3 Advice for firefighters**

* **Special protective equipment for firefighters**
In case of fire: Wear self-contained breathing apparatus.
Protective clothing.

* **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Inflammatory mists can form an inflammatory mixture.
Use water spray jet to protect personnel and to cool endangered containers.

* **SECTION 6: Accidental release measures**

* **6.1 Personal precautions, protective equipment and emergency procedures**

* **For non-emergency personnel**
Remove all sources of ignition.
Remove persons to safety.
Avoid contact with skin and eyes.

* **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.

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

* **For containment**
Suitable material for taking up:
Kieselguhr
After taking up the material dispose according to regulation.

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

6.4 Reference to other sections

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

* **SECTION 7: Handling and storage**



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*** 7.1 Precautions for safe handling**

*** Protective measures**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Only use the material in places where open light, fire and other flammable sources can be kept away.

Keep away from sources of ignition - No smoking.

Explosive

Vapours can form explosive mixtures with air.

Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Highly flammable

Take precautionary measures against static discharges.

Use only antistatically equipped (spark-free) tools.

Provide earthing of containers, equipment, pumps and ventilation facilities.

Avoid:

Eye contact

Skin contact

Do not inhale aerosols

Do not inhale vapours.

Wear personal protection equipment (refer to section 8).

*** Advices on general occupational hygiene**

When using do not eat, drink, smoke, sniff.

Wash hands before breaks and after work.

Work in rooms with good ventilation.

Used working clothes should not be worn outside the work area.

Wash contaminated clothing prior to re-use.

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

Requirements for storage rooms and vessels

Keep/Store only in original container.

Keep container tightly closed.

*** Storage class**

3 Flammable liquids

*** Materials to avoid**

Do not store together with:

Food and feedingstuffs

Strong acid

Strong alkali

Oxidising agent

*** Further information on storage conditions**

Recommended storage temperature 5-30°C

Keep container tightly closed 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



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

*** 8.1 Control parameters**

*** Occupational exposure limit values**

CAS No.	EC No.	Substance name	occupational exposure limit value
78-93-3	201-159-0	Butanone	200 [ml/m ³ (ppm)] 600 [mg/m ³] Short-term(ml/m ³) 300 Short-term(mg/m ³) 900 2000/39/EC

*** DNEL worker**

CAS No.	Substance name	DNEL value	DNEL type	Remark
64-17-5	ethanol	8238 mg/kg	long-term dermal (systemic)	
64-17-5	ethanol	380 mg/m ³	long-term inhalative (systemic)	

*** DNEL Consumer**

CAS No.	Substance name	DNEL value	DNEL type	Remark
64-17-5	ethanol	114 mg/m ³	long-term inhalative (systemic)	

*** PNEC**

CAS No.	Substance name	PNEC Value	PNEC type	Remark
64-17-5	ethanol	0.96 mg/L	aquatic, freshwater	
64-17-5	ethanol	0.79 mg/L	aquatic, marine water	
64-17-5	ethanol	2.75 mg/L	aquatic, intermittent release	
64-17-5	ethanol	3.6 mg/kg dw	sediment, freshwater	
64-17-5	ethanol	2.9 mg/kg dw	sediment, marine water	
64-17-5	ethanol	0.63 mg/kg dw	soil	
64-17-5	ethanol	380 mg/kg food	Secondary Poisoning	
64-17-5	ethanol	580 mg/L	sewage treatment plant (STP)	

*** 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**

Suitable material:
 Butyl caoutchouc (butyl rubber)
 Thickness of the glove material >0,4mm
 EN ISO 374
 Breakthrough times and swelling properties of the material must be taken into consideration.

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Body protection:

Protective clothing

Respiratory protection

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

Additional information

The national and local legal regulations are to be observed.

*** 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	78 °C		
flammability	not determined		
Lower and upper explosion limit	Upper explosion limit 15 Vol-%		
Lower and upper explosion limit	Lower explosion limit 1.5 Vol-%		
Flash point	11 °C		
Auto-ignition temperature	425 °C		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	kinematic 1.19 mPa*s (20°C)		
Solubility(ies)	Water solubility		miscible
Partition coefficient n-octanol/water (log value)	-0.31		CAS No.64-17-5 ethanol
Vapour pressure	85.5 mbar (20°C)		
Density and/or relative density	0.79 g/cm ³ (20°C)		
Relative vapour density	not determined		
particle characteristics	not determined		



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* **9.2 Other information**

* **Other information**
 Highly flammable liquid and vapour.

* **SECTION 10: Stability and reactivity**

* **10.1 Reactivity**

Gases/vapours, flammable

* **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

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

* **10.6 Hazardous decomposition products**

No known hazardous decomposition products.
 In case of fire: carbon monoxide and carbon dioxide.

* **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.64-17-5 ethanol LD50: 10470 mg/kg Species Rat		
Acute dermal toxicity	not determined		
Acute inhalation toxicity	CAS No.64-17-5 ethanol Acute inhalation toxicity (vapour) LC50: 124.7 mg/L Species Rat Exposure time 4 h		

* **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.



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* **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.

* **Reproductive toxicity**

* **Assessment/classification**

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

* **STOT-single exposure**

* **STOT SE 1 and 2**

* **Assessment/classification**

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

* **STOT SE 3**

* **Irritation to respiratory tract**

* **Assessment/classification**

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

* **STOT-repeated exposure**

* **Assessment/classification**

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

* **Aspiration hazard**

* **Remark**

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

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

This information is not available.



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*** SECTION 12: Ecological information**

*** 12.1 Toxicity**

*** Aquatic toxicity**

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No.64-17-5 ethanol LC50: 14200 mg/L Species Pimephales promelas (fathead minnow) Test duration 4 d		
Chronic (long-term) fish toxicity	CAS No.64-17-5 ethanol NOEC 250 mg/L Species Danio rerio (zebrafish) Test duration 5 d		
Acute (short-term) toxicity to crustacea	CAS No.64-17-5 ethanol EC50 5012 mg/L Species Ceriodaphnia spec Test duration 2 d		
Chronic (long-term) toxicity to aquatic invertebrate	CAS No.64-17-5 ethanol NOEC 9.6 mg/L Species Ceriodaphnia spec Test duration 10 d		
Acute (short-term) toxicity to algae and cyanobacteria	CAS No.64-17-5 ethanol EC50 275 mg/L Species Chlorella vulgaris Test duration 3 d		
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**

	Value	Method	Source, Remark
Biodegradation	Degradation rate 84 % Test duration 20 d		CAS No.64-17-5 ethanol

*** Assessment/classification**

Readily biodegradable (according to OECD criteria).

*** 12.3 Bioaccumulative potential**

*** Assessment/classification**

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

*** 12.4 Mobility in soil**

*** Assessment/classification**

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

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.



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12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Additional ecotoxicological information

Additional information

No data 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**

For proper waste disposal, empty the can completely.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

*** SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	UN 1170	UN 1170	UN 1170
14.2 UN proper shipping name	ETHANOL SOLUTION	ETHANOL SOLUTION	Ethanol solution
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	II	II	II
14.5 Environmental hazards	No	-	-

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

Land transport (ADR/RID)

UN number or ID number UN 1170
 UN proper shipping name ETHANOL SOLUTION
 Transport hazard class(es) 3
 Hazard label(s) 3
 Classification code F1
 Packing group II
 Environmental hazards No
 Limited quantity (LQ) 1 L



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Special provisions 144, 601
Tunnel restriction code D/E

Sea transport (IMDG)

UN number or ID number UN 1170
UN proper shipping name ETHANOL SOLUTION
Transport hazard class(es) 3
Packing group II
Environmental hazards -
Limited quantity (LQ) 1 L
Marine pollutant No
EmS F-E, S-D

Air transport (ICAO-TI / IATA-DGR)

UN number or ID number UN 1170
UN proper shipping name Ethanol solution
Transport hazard class(es) 3
Packing group II
Environmental hazards -

* **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.

* **SECTION 16: Other information**

* **Indication of changes**

* Data changed compared with the previous version



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* **Abbreviations and acronyms**

REACH: Registration, Evaluation and Authorization of Chemicals
SU: use category
PC: Products category
CLP: Classification, Labelling and Packaging
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
Flam. Liq. 2: Flammable Liquids, Category 2
Eye Irrit. 2: Eye irritation, Category 2
PBT: persistent and bioaccumulative and toxic
vPvB: very persistent, very bioaccumulative
CAS: Chemical Abstracts Service
SCL: Specific concentration limit
ATE: Acute Toxicity Estimate
STOT SE 3, H336: Specific target organ toxicity (single exposure), Category 3 (narcotic effects)
CO2: Carbon dioxide
TRGS: Technical Rules for Hazardous Substances
BGW: Biological limit value (DE)
DNEL: derived no-effect level
PNEC: Predicted No Effect Concentration
DIN: German Institute for Standardization / German Industrial Standard
EN: European Standard
ISO: International Organization for Standardization
LD50: Lethal (fatal) Dose 50%
LC50: Lethal (fatal) Concentration 50%
NOEC: No Observed Effect Concentration
EC50: Effective Concentration 50%
OECD: Organisation for Economic Cooperation and Development
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Dangerous goods regulations for transport by rail
IMDG: International Maritime Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
DGR: Dangerous Goods Regulations (IATA)
UN: United Nations
WGK: water hazard class
JArbSchG: Youth Labor Protection Act (DE)

* **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.
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)

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

* **Indication of changes**

* Data changed compared with the previous version