

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878



Article No.: 9 DESIN FEKT5 epple-disinfect hand sensitiv
Print date 11.07.2023 Revision date 11.07.2023
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. **Product identifier**

Article No. (manufacturer/supplier): 9 DESIN FEKT5
Trade name/designation epple-disinfect hand sensitiv
UFI: K3QN-CF28-F7RU-N8SQ

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

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

supplier (manufacturer/importer/downstream user/distributor)

E. Epple & Co. GmbH
Hertzstr. 8 Telephone: +49 7032 / 9771-17
71083 Herrenberg Telefax: +49 7032 / 9771-60
www.epple-chemie.de

Department responsible for information:

laboratory
E-mail (competent person) labor@epple-chemie.de

1.4. **Emergency telephone number**

Information center against poisoning Bonn +49 (0) 228 / 19 240 (Advice in German)

SECTION 2: Hazards identification

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

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Flam. Liq. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.

2.2. **Label elements**

The product is classified and labelled according to EC directives or corresponding national laws.

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

Hazard pictograms



Danger

Hazard statements

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

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 Use only outdoors or in a well-ventilated area.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P501 Dispose of contents / container to a certified waste management company.

Hazard components for labelling

not applicable

Supplemental hazard information

not applicable

2.3. **Other hazards**

No information available.

SECTION 3: Composition/information on ingredients

3.2. **Mixtures**

Description

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

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EC No. CAS No. Index No.	REACH No. Designation classification: // Remark	weight-%
200-578-6	01-2119457610-43	
64-17-5	Ethanol	74,9 - 100
603-002-00-5	Eye Irrit. 2 H319 / Flam. Liq. 2 H225	

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

When in doubt or if symptoms are observed, get medical advice.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways. Cool closed containers that are near the source of the fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard.

Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

Ethanol

Index No. 603-002-00-5 / EC No. 200-578-6 / CAS No. 64-17-5

TWA: 1920 mg/m³; 1000 ppm

Additional information

TWA : Long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

DNEL:

Ethanol

Index No. 603-002-00-5 / EC No. 200-578-6 / CAS No. 64-17-5

DNEL long-term dermal (systemic), Workers: 343 mg/kg bw/day

DNEL acute inhalative (local), Workers: 1900 mg/m³

DNEL long-term inhalative (systemic), Workers: 950 mg/m³

PNEC:

Ethanol

Index No. 603-002-00-5 / EC No. 200-578-6 / CAS No. 64-17-5

PNEC aquatic, freshwater: 0,96 mg/L

PNEC aquatic, marine water: 0,79 mg/L

PNEC aquatic, intermittent release: 2,75 mg/L

PNEC sediment, freshwater: 3,6 mg/kg d.w.

PNEC sediment, marine water: 2,9 mg/kg d.w.

PNEC, soil: 0,63 mg/kg food

PNEC Secondary Poisoning: 0,72 mg/kg food

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

Respiratory protection is not necessary if room is well ventilated.

Hand protection

Hand protection is not required..

Eye/face protection

Eye protection: not required.

Body protection

Body protection: not required.

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Protective measures

Environmental exposure controls

Do not allow to enter into surface water or drains. 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
Appearance:	Liquid
Colour:	translucent
Odour:	characteristic
Odour threshold:	not applicable
Melting point/freezing point:	-114 °C Source: Ethanol
Initial boiling point and boiling range:	78 °C Source: Ethanol
Flammability:	Highly flammable liquid and vapour.
Lower and upper explosion limit:	
Lower explosion limit:	3,1 Vol-% Source: Ethanol
Upper explosion limit:	27,7 Vol-% Source: Ethanol
Flash point:	12 °C
Auto-ignition temperature:	400 °C Source: Ethanol
Decomposition temperature:	not applicable
pH at 20 °C:	7 / 100,0 weight-%
Viscosity at 20 °C:	keine Angabe
Solubility(ies):	
Water solubility at 20 °C:	completely miscible
Partition coefficient: n-octanol/water:	see section 12
Vapour pressure at 20 °C:	58 mbar Source: Ethanol
Density and/or relative density:	
Density at 20 °C:	0,84 g/cm³
Relative vapour density:	not applicable
particle characteristics:	not applicable

9.2. **Other information**

SECTION 10: Stability and reactivity

10.1. **Reactivity**

No information available.

10.2. **Chemical stability**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. **Possibility of hazardous reactions**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. **Conditions to avoid**

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. **Incompatible materials**

not applicable

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10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

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

Acute toxicity

Ethanol

oral, LD50, Rat: 10470 mg/kg

Method: OECD 401

inhalative (vapours), LC50, Rat: 116,9 mg/L (4 h)

Method: OECD 403

Skin corrosion/irritation; Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

STOT-single exposure; STOT-repeated exposure

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

Aspiration hazard

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

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark

There is no information available on the preparation itself .

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

SECTION 12: Ecological information

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

Do not allow to enter into surface water or drains.

12.1. Toxicity

Ethanol

Fish toxicity, LC50, Pimephales promelas (fathead minnow): 14200 mg/L (96 h)

Method: US EPA method E03-05

Algae toxicity, ErC50, Chlorella vulgaris: 275 mg/L (72 h)

Method: OECD 201

Daphnia toxicity, LC50, Ceriodaphnia dubia: 5012 mg/L (48 h)

Method: ASTM E729-80

Fish toxicity, EC50, Pimephales promelas (fathead minnow): 12,9 g/L (96 h)

Method: US EPA method E03-05

Algae toxicity, ErC50, Chlorella vulgaris: 675 mg/L (96 h)

Method: OECD 201

Long-term Ecotoxicity

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Ethanol
Fish toxicity, NOEC, Danio rerio : 250 mg/L (120 h)
Method: OECD 212
Daphnia toxicity, NOEC, Ceriodaphnia dubia: 9,6 mg/L (10 d)
Daphnia toxicity, LC50, Ceriodaphnia dubia: 1806 mg/L (10 d)
Daphnia toxicity, LC50, Daphnia magna (Big water flea): 454 mg/L (9 d)

12.2. Persistence and degradability

Ethanol
Biodegradation: 84 % (20 d)

12.3. Bioaccumulative potential

Ethanol
Partition coefficient: n-octanol/water: -0,77

12.4. Mobility in soil

Toxicological data are 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 information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

140603* other solvents and solvent mixtures

*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Appropriate disposal / Package

Dispose of packaging and contaminated filters at a official hazardous waste incinerator facility.

Recommendation:

Waste codes / waste designations according to EWC / AVV: 15 01 10*

SECTION 14: Transport information

14.1. UN number or ID number

UN 1170

14.2. UN proper shipping name

Land transport (ADR/RID): Ethanol
Sea transport (IMDG): ETHANOL (ETHYL ALCOHOL)
Air transport (ICAO-TI / IATA-DGR): Ethanol

14.3. Transport hazard class(es)

3

14.4. Packing group

II

14.5. Environmental hazards

Land transport (ADR/RID) not applicable
Marine pollutant not applicable

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8

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Further information

Land transport (ADR/RID)

Tunnel restriction code D/E

Sea transport (IMDG)

EmS-No. F-E, S-E

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

EU legislation

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC-value (in g/L): 667

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

Substance/product listed in the following inventories:

AICS listed

DSL listed

EHS no information

IECSC listed

KECI listed

MITI listed

NZLoC no information

PICCS listed

TCSI no information

TSCA listet

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

EC No.	Designation	REACH No.
CAS No.		
200-578-6	Ethanol	01-2119457610-43
64-17-5		

SECTION 16: Other information

Full text of classification in section 3

Eye Irrit. 2 / H319 Serious eye damage/eye irritation Causes serious eye irritation.
Flam. Liq. 2 / H225 Flammable liquids Highly flammable liquid and vapour.

Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 2 Flammable liquids On basis of test data.

Eye Irrit. 2 Serious eye damage/eye irritation Calculation method.

Further information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

* Data changed compared with the previous version