

Safety Data Sheet

according to Regulation (EC) No 1907/2006

5120 Display Cleaner 100 ml

Revision date: 06.02.2024

Product code: 93854

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

1.1. Product identifier

5120 Display Cleaner 100 ml

UFI: HTWC-386G-1005-53QA

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

Use of the substance/mixture

Glass cleaners, other

1.3. Details of the supplier of the safety data sheet

Company name: Kisling (Deutschland) GmbH
Street: Salzstraße 15
Place: D-74676 Niedernhall
Telephone: +49 7940 50961 61
E-mail: technical.support@kisling.com
Contact person: Dr. Hans Götz Telephone: +49 7940 5096 143
E-mail: compliance@kisling.com
Internet: www.kisling.com

1.4. Emergency telephone number:

24 hr. emergency phone number +1 872 5888271 (KAR)
Medicines & Poisons Info Office +356 2545 6508

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Water with tenside additive

Hazardous components

| CAS No | Chemical name | Quantity | | |
|----------|---|--------------|------------------|-----------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 64-17-5 | Ethanol | | | 1 - < 5 % |
| | 200-578-6 | 603-002-00-5 | 01-2119457610-43 | |
| | Flam. Liq. 2, Eye Irrit. 2; H225 H319 | | | |
| 107-98-2 | 1-methoxy-2-propanol | | | 2,5-10 % |
| | 203-539-1 | 603-064-00-3 | 01-2119457435-35 | |
| | Flam. Liq. 3, STOT SE 3; H226 H336 | | | |

Full text of H and EUH statements: see section 16.

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Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|----------|-----------|---|-----------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 64-17-5 | 200-578-6 | Ethanol | 1 - < 5 % |
| | | inhalation: LC50 = 124,7 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = 10470 mg/kg Eye Irrit. 2; H319: >= 50 - 100 | |
| 107-98-2 | 203-539-1 | 1-methoxy-2-propanol | 2,5-10 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = 4277 mg/kg | |

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air. If unconscious but breathing normally, place in recovery position and seek medical advice.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting.

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

No information available.

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

Treat symptomatically. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Non-flammable. Non-flammable.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

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

General advice

Use personal protection equipment.

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 cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

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Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

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

7.1. Precautions for safe handling

Advice on safe handling

Use only outdoors or in a well-ventilated area. When using do not eat, drink, smoke, sniff. Keep container tightly closed.

Advice on protection against fire and explosion

Use water spray jet to protect personnel and to cool endangered containers.

Advice on general occupational hygiene

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

When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Protect from sunlight. Store in a well-ventilated place.

Hints on joint storage

No special measures are necessary.

Further information on storage conditions

Recommended storage temperature: 10 – 35 °C.
not useable after freezing. Keep away from heat.

7.3. Specific end use(s)

Glass cleaners, other

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

| CAS No | Name of agent | ppm | mg/m ³ | fib/cm ³ | Category | Origin |
|----------|----------------------|-----|-------------------|---------------------|---------------|--------|
| 107-98-2 | 1-Methoxypropan-2-ol | 100 | 375 | | TWA (8 h) | |
| | | 150 | 568 | | STEL (15 min) | |

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DNEL/DMEL values

| CAS No | Name of agent | | |
|--------------------------|----------------------|----------|-------------------------|
| DNEL type | Exposure route | Effect | Value |
| 64-17-5 | Ethanol | | |
| Worker DNEL, long-term | inhalation | systemic | 950 mg/m ³ |
| Worker DNEL, long-term | dermal | systemic | 343 mg/kg bw/day |
| Consumer DNEL, long-term | inhalation | systemic | 114 mg/m ³ |
| Consumer DNEL, long-term | dermal | systemic | 206 mg/kg bw/day |
| Consumer DNEL, long-term | oral | systemic | 87 mg/kg bw/day |
| 107-98-2 | 1-methoxy-2-propanol | | |
| Worker DNEL, long-term | inhalation | systemic | 369 mg/m ³ |
| Worker DNEL, acute | inhalation | systemic | 553,5 mg/m ³ |
| Worker DNEL, acute | inhalation | local | 553,5 mg/m ³ |
| Worker DNEL, long-term | dermal | systemic | 183 mg/kg bw/day |
| Consumer DNEL, long-term | inhalation | systemic | 43,9 mg/m ³ |
| Consumer DNEL, long-term | dermal | systemic | 78 mg/kg bw/day |
| Consumer DNEL, long-term | oral | systemic | 33 mg/kg bw/day |

PNEC values

| CAS No | Name of agent | |
|--|----------------------|--|
| Environmental compartment | Value | |
| 64-17-5 | Ethanol | |
| Freshwater | 0,96 mg/l | |
| Freshwater (intermittent releases) | 2,75 mg/l | |
| Marine water | 0,79 mg/l | |
| Freshwater sediment | 3,6 mg/kg | |
| Marine sediment | 2,9 mg/kg | |
| Secondary poisoning | 380 mg/kg | |
| Micro-organisms in sewage treatment plants (STP) | 580 mg/l | |
| Soil | 0,63 mg/kg | |
| 107-98-2 | 1-methoxy-2-propanol | |
| Freshwater | 10 mg/l | |
| Freshwater (intermittent releases) | 100 mg/l | |
| Marine water | 1 mg/l | |
| Freshwater sediment | 52,3 mg/kg | |
| Marine sediment | 5,2 mg/kg | |
| Micro-organisms in sewage treatment plants (STP) | 100 mg/l | |
| Soil | 4,59 mg/kg | |

8.2. Exposure controls

Appropriate engineering controls

No data available

Individual protection measures, such as personal protective equipment

Eye/face protection

not relevant

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Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wear protective gloves.

Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

not relevant

Respiratory protection

not relevant

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|----------------|
| Physical state: | Liquid |
| Colour: | clear |
| Odour: | characteristic |

Test method

| | | |
|---|------------------------|----------------|
| Melting point/freezing point: | ca. -4 °C | |
| Boiling point or initial boiling point and boiling range: | ca. 78 °C | |
| Flammability: | not applicable | not applicable |
| Lower explosion limits: | not applicable | |
| Upper explosion limits: | not determined | |
| Flash point: | > 60 °C | |
| Auto-ignition temperature: | not determined | |
| Decomposition temperature: | not determined | |
| pH-Value (at 20 °C): | ca. 6,7 | |
| Water solubility: | completely miscible | |
| Solubility in other solvents | | |
| not determined | | |
| Partition coefficient n-octanol/water: | not determined | |
| Vapour pressure: | not determined | |
| Density (at 20 °C): | 1,00 g/cm ³ | |
| Relative vapour density: | not determined | |

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Self-ignition temperature

not applicable

Oxidizing properties

Not oxidising.

Other safety characteristics

| | |
|--------------------------|----------------|
| Evaporation rate: | not determined |
| Solvent separation test: | not determined |
| Solvent content: | not determined |
| Solid content: | not determined |
| Viscosity / dynamic: | not determined |

SECTION 10: Stability and reactivity

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10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

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

Toxicokinetics, metabolism and distribution

No data available

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No | Chemical name | | | | |
|----------|-------------------------|-------------------|---------|---------------------------|--------------------|
| | Exposure route | Dose | Species | Source | Method |
| 64-17-5 | Ethanol | | | | |
| | oral | LD50 10470 mg/kg | Rat | Study report (1976) | OECD Guideline 401 |
| | dermal | LD50 >2000 mg/kg | Rabbit | Pre-supplier/manufacturer | OECD 402 |
| | inhalation (4 h) vapour | LC50 124,7 mg/l | Rat | Study report (1980) | OECD Guideline 403 |
| 107-98-2 | 1-methoxy-2-propanol | | | | |
| | oral | LD50 4277 mg/kg | Rat | Study report (1985) | EU Method B.1 |
| | dermal | LD50 > 2000 mg/kg | Rat | Study report (1985) | EU Method B.3 |

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

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Aspiration hazard

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

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience

No data available

11.2. Information on other hazards

Other information

No data available

Further information

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

SECTION 12: Ecological information

12.1. Toxicity

No data available

| CAS No | Chemical name | | | | | |
|----------|--------------------------|----------------------------|-----------|---------------------------------|---|--|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 64-17-5 | Ethanol | | | | | |
| | Acute fish toxicity | LC50 15400 mg/l | 96 h | Lepomis macrochirus | Bulletin of Environmental Contamination | other: EPA-660/3-75-009, 1975 |
| | Acute algae toxicity | ErC50 ca. 22000 mg/l | 96 h | Pseudokirchneriella subcapitata | Ecotoxicology and Environmental Safety 7 | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 > 10000 mg/l | 48 h | Daphnia magna | Water Research 23(4): 495-499 (1989) | other: DIN 38412 Teil 11 |
| | Fish toxicity | NOEC > 79 mg/l | 100 d | Oryzias latipes | Environmental Toxicology and Chemistry, | Chronic effects of substance on reproduc |
| | Algae toxicity | NOEC 5400 mg/l | 5 d | Skeletonema costatum | Environ Toxicol Chem 8(5):451-455. (1989) | Study to determine the sensitivity of a |
| | Crustacea toxicity | NOEC 2 mg/l | 10 d | Ceriodaphnia dubia | Arch Environ Contam Toxicol 20(2):211-21 | Follows the basic methodology for the th |
| 107-98-2 | 1-methoxy-2-propanol | | | | | |
| | Acute fish toxicity | LC50 > 4600 - < 10000 mg/l | 96 h | Leuciscus idus | Study report (1989) | other: DIN 38 412, part L15 |
| | Acute algae toxicity | ErC50 > 1000 mg/l | 96 h | Pseudokirchneriella subcapitata | Study report (1986) | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 21100 - 25900 mg/l | 48 h | Daphnia magna | Study report (1981) | other: Environmental Sciences Research T |

12.2. Persistence and degradability

The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.
Readily biodegradable (according to OECD criteria).

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12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|----------------------|---------|
| 64-17-5 | Ethanol | -0,77 |
| 107-98-2 | 1-methoxy-2-propanol | < 1 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|---------|---------------|-----|-----------------|----------------------|
| 64-17-5 | Ethanol | 1 | Cyprinus carpio | Comparative Biochemi |

12.4. Mobility in soil

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.

No data available

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

Further information

Avoid release to the environment. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

List of Wastes Code - used product

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

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14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)**14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)**14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

Restrictions on use (REACH, annex XVII):

Entry 40, Entry 75

2010/75/EU (VOC): 7,4 % (73,19g/l)

2004/42/EC (VOC): 7,4 % (73,19g/l)

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Regulation (EC) No. 648/2004 [Detergents regulation].

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

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Abbreviations and acronyms

CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).
Flam. Liq: Flammable liquid
Eye Irrit: Eye irritation
STOT SE: Specific target organ toxicity - single exposure

Relevant H and EUH statements (number and full text)

| | |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. 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.

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Identified uses

| No | Short title | LCS | SU | PC | PROC | ERC | AC | TF | Specification |
|----|-------------------------------|-----------|----|----|---------------|-------|----|-----|---------------|
| 1 | Washing and cleaning products | IS, PW, C | - | 35 | 7, 11, 19, 28 | 4, 8d | - | 105 | |

LCS: Life cycle stages

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)