

SAFETY DATA SHEET



DATAFLASH KLM005 Tücher

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 08.12.2014
Revision date 17.02.2021

1.1. Product identifier

Product name DATAFLASH KLM005 Tücher
Article no. L03000000100

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

Product group Alcohol-based Cleaner
Use of the substance / preparation Hard surface cleaner.
Main intended use PC-CLN-17.3 Interior cleaning and care products (excludes air care products, and products for upholstery or leather)
Relevant identified uses
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU4 Manufacture of food products
SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)
PC35 Washing and cleaning products (including solvent based products)
PROC19 Manual activities involving hand contact.
ERC8B Wide dispersive indoor use of reactive substances in open systems
Uses advised against No specific uses advised against are identified.

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

Company name Kleinmann GmbH
Postal address Am Trieb 13
Postcode D-72820
City Sonnenbuehl
Country Germany
Telephone number +49(0)7128/9292-15

| | |
|----------------|---|
| Fax | +49(0)7128/9292-415 |
| Email | chemie@kleinmann.net |
| Website | http://www.kleinmann.net |
| Enterprise No. | DE 146 487 |

1.4. Emergency telephone number

| | |
|---------------------|---|
| Emergency telephone | Description: 8-12, Mo.-Fr. +49(0)7128/9292-15 |
|---------------------|---|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--|--|
| Classification according to Regulation (EC) No 1272/2008 [CLP / GHS] | Flam. Liq. 3; H226; Calculation method |
| | Eye Dam. 1; H318; Calculation method |
| | STOT SE 3; H336; Calculation method |

2.2. Label elements

Hazard pictograms (CLP)



| | |
|--------------------------|---|
| Composition on the label | 1-Propanol |
| Signal word | Danger |
| Hazard statements | H226 Flammable liquid and vapour. H318 Causes serious eye damage. H336 May cause drowsiness or dizziness. |
| Precautionary statements | P210 Keep away from heat / sparks / open flames / hot surfaces. – No smoking. P280 Wear eye protection. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. |

2.3. Other hazards

| | |
|-----------------------------|--|
| Hazard description, general | The product is highly flammable and may be ignited even after short contact with an ignition source. |
| Health effect | In high concentrations, vapours may be irritating to the respiratory system. Splashes in the eyes may cause redness and irritation. May cause drowsiness or dizziness. |
| Environmental effects | This product does not contain any PBT or vPvB substances. |
| Other hazards | No evidence for endocrine disrupting properties. |

SECTION 3: Composition / information on ingredients

3.2. Mixtures

| Substance | Identification | Classification | Contents | Notes |
|--------------------|---|---|-----------|-------|
| Wipes containing: | | | | |
| 1-Propanol | CAS No.: 71-23-8 EC No.: 200-746-9 Index No.: 603-003-00-0 REACH Reg. No.: 01-2119486761-29-xxxx | Flam. Liq. 2; H225 Eye Dam. 1; H318 STOT SE 3; H336 | 15 – 30 % | |
| Substance comments | Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents: <1% Perfume The full text for all hazard statements is displayed in section 16. | | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--|--|
| General | Remove affected person from source of contamination. |
| Inhalation | Fresh air. Get medical attention if any discomfort continues. |
| Skin contact | Rinse with water. Contact physician if discomfort continues. |
| Eye contact | Immediately rinse with water for several minutes. Make sure to remove any contact lenses from the eyes before rinsing. Contact physician if irritation persists. |
| Ingestion | Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues. |
| Recommended personal protective equipment for first aid responders | Wear necessary protective equipment. For personal protection, see section 8. |

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

| | |
|------------------------------|---|
| Acute symptoms and effects | Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative. |
| Delayed symptoms and effects | Inhalation of high vapour concentrations may cause symptoms such as mild irritation, headache, dizziness, fatigue, nausea and in serious cases unconsciousness. |

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

| | |
|-------------------|--|
| Other information | In case of unconsciousness or eye contact: Immediately call a doctor / ambulance. Show this safety data sheet. |
|-------------------|--|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. |
|------------------------------|--|

Improper extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Closed containers can burst violently when heated, due to excess pressure build-up. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Personal protective equipment Wear necessary protective equipment. For personal protection, see section 8.

Fire fighting procedures Reference is made to the company fire procedure.
If risk of water pollution occurs, notify appropriate authorities.
Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures.
Containers close to fire should be removed immediately or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures Wear necessary protective equipment. For personal protection, see section 8. Do not smoke or use open fire, or other sources of ignition.

6.2. Environmental precautions

Environmental precautionary measures Avoid discharge into water courses or onto the ground. Contact local authorities in case of spillage to drain/aquatic environment.

6.3. Methods and material for containment and cleaning up

Cleaning method Smaller quantities of residue may be collected by an absorbent. Dam and absorb spillages with sand, earth or other non-combustible material. Wash contaminated area with water.

6.4. Reference to other sections

Other instructions See section 8 and section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Avoid inhalation of vapours. Keep away from heat, sparks and open flame.

Protective safety measures

Advice on general occupational hygiene Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.
Eating, smoking and water fountains prohibited in immediate work area.
Take off contaminated clothing and personal protective equipment before entering an eating area..

7.2. Conditions for safe storage, including any incompatibilities

| | |
|---------|--|
| Storage | Store in tightly closed original container in a well-ventilated place. Do not store near heat sources or exposed to high temperatures. |
|---------|--|

Conditions for safe storage

| | |
|---------------------|------------------------|
| Storage temperature | Value: -15 – 20 °C. |
| Storage stability | Durability: 24 months. |

7.3. Specific end use(s)

| | |
|-----------------|---|
| Specific use(s) | The identified uses for this product are detailed in Section 1.2. |
|-----------------|---|

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

| Substance | Identification | Exposure limits | TWA Year |
|------------|------------------|-----------------|----------|
| 1-Propanol | CAS No.: 71-23-8 | | |

DNEL / PNEC

| | |
|-----------|--|
| Substance | 1-Propanol |
| DNEL | <p>Group: Professional Route of exposure: Acute inhalation (systemic) Value: 1723 mg/m³</p> <p>Group: Professional Route of exposure: Long-term dermal (systemic) Value: 136 mg/kg</p> <p>Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 236 mg/m³</p> <p>Group: Consumer Route of exposure: Acute inhalation (systemic) Value: 1036 mg/m³</p> <p>Group: Consumer Route of exposure: Long-term dermal (systemic) Value: 81 mg/kg</p> <p>Group: Consumer Route of exposure: Long-term oral (systemic) Value: 61 mg/kg</p> <p>Group: Consumer Route of exposure: Long-term inhalation (systemic) Value: 80 mg/m³</p> |
| PNEC | <p>Route of exposure: Freshwater Value: 10 mg/l</p> <p>Route of exposure: Saltwater</p> |

Value: 1 mg/l

Route of exposure: Food products

Value: 10 mg/l

Route of exposure: Freshwater sediments

Value: 22,8 mg/kg dw

Route of exposure: Saltwater sediments

Value: 2,28 mg/kg dw

Route of exposure: Soil

Value: 2,2 mg/kg

Route of exposure: Sewage treatment plant STP

Value: 96 mg/l

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Technical measures to prevent exposure

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Provide eyewash, quick drench.

Mechanical ventilation may be required.

Eye / face protection

Suitable eye protection

Wear approved safety goggles. EN 166.

Hand protection

Skin- / hand protection, long term contact

Protective gloves are recommended.

Use protective gloves made of:

Butyl rubber. $\geq 0,5$ mm

Neoprene. $\geq 0,5$ mm

Nitrile. $\geq 0,4$ mm

EN 374.

Breakthrough time

Value: ≥ 480 minute(s)

Hand protection, comments

Manufacturer's directions for use should be observed because of great diversity of types. The recommendation is a qualified estimate based on knowledge of the components.

Skin protection

Additional skin protection measures

No special precautions.

Respiratory protection

Respiratory protection necessary at

In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2). EN 143/EN149.

Thermal hazards

Thermal hazards

See section 5.

Appropriate environmental exposure control

Environmental exposure controls

See section 6.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Physical state | wet wipes |
| Colour | Colourless. |
| Odour | Odour of alcohol. |
| pH | Status: In delivery state Value: ~ 7 |
| Freezing point | Value: < 0 °C |
| Boiling point / boiling range | Comments: No data recorded. |
| Flash point | Value: 33 °C |
| Evaporation rate | Comments: No data recorded. |
| Flammability | No data recorded. |
| Explosion limit | Comments: Not determined. |
| Vapour pressure | Comments: No data recorded. |
| Vapour density | Comments: No data recorded. |
| Relative density | Value: ~ 0,96 kg/l |
| Solubility | Comments: Completely soluble in water. |
| Partition coefficient: n-octanol/ water | Comments: Not relevant. |
| Auto-ignition temperature | Comments: No data recorded. |
| Decomposition temperature | Comments: No data recorded. |
| Viscosity | Comments: Not relevant. |
| Explosive properties | Not explosive. |
| Oxidising properties | Does not meet the criteria for oxidising. |

9.2. Other information

9.2.2. Other safety characteristics

Comments

No data recorded.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

See section 10.4 and section 10.5.

10.4. Conditions to avoid

Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid

Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products

During fire, toxic gases (CO, CO₂) are formed.

Other information

Other information

No data recorded.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance

1-Propanol

Acute toxicity

Effect tested: LD50
Route of exposure: Oral
Value: > 1870 mg/kg
Animal test species: Rat

Effect tested: LD50
Route of exposure: Dermal
Value: 4032 mg/kg
Animal test species: Rabbit

Effect tested: LC50
Route of exposure: Inhalation (vapour)
Duration: 4 hour(s)
Value: > 33,8 mg/l
Animal test species: Rat

Other toxicological data

Toxicological tests on the product has not been performed.

Other information regarding health hazards

| | |
|--|---|
| Assessment of acute toxicity, classification | No evidence for acute toxicity. |
| Inhalation | Vapours may cause drowsiness and dizziness. |
| Skin contact | Skin irritation is not anticipated when used normally. |
| Eye contact | Strongly corrosive. Causes severe burns. Immediate first aid is imperative. May cause permanent damage to the eyes, especially if the product is not washed away IMMEDIATELY. |
| Ingestion | May cause discomfort if swallowed. |
| Sensitisation | No evidence for respiratory nor skin sensitization. |
| Assessment of germ cell mutagenicity, classification | No evidence for germ cell mutagenicity. |
| Assessment of carcinogenicity, classification | No evidence for carcinogenicity. |
| Assessment of reproductive toxicity, classification | No evidence for reproductive toxicity. |
| Assessment of specific target organ toxicity - single exposure, classification | Vapours may cause drowsiness and dizziness. |
| Assessment of specific target organ toxicity - repeated exposure, classification | No evidence for STOT-repeated exposure. |
| Assessment of aspiration hazard, classification | No evidence for aspiration hazard. |

11.2 Other information

| | |
|----------------------|--|
| Endocrine disruption | No evidence for endocrine disrupting properties. |
| Other information | No specific symptoms noted. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|------------------------------|---|
| Substance | 1-Propanol |
| Aquatic toxicity, fish | Toxicity type: Acute Value: 4555 mg/l Exposure time: 96 hour(s) Species: Pimephales promelas |
| Substance | 1-Propanol |
| Aquatic toxicity, crustacean | Toxicity type: Acute Value: 1000 mg/l Exposure time: 48 hour(s) Species: Gammarus pulex Toxicity type: Acute Value: 3644 mg/l Exposure time: 48 hour(s) Species: Daphnia magna |

Ecotoxicity Not classified as dangerous to the environment.

12.2. Persistence and degradability

Persistence and degradability description/evaluation The product is easily biodegradable.

Substance 1-Propanol

Biodegradability
Value: 83 %
Method: OECD 301D
Test period: 5 day(s)

12.3. Bioaccumulative potential

Bioaccumulation, evaluation The product is not bioaccumulating.

12.4. Mobility in soil

Mobility The product is miscible with water. May spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not Classified as PBT/vPvB by current EU criteria.

12.6. Endocrine disrupting properties

Endocrine disrupting properties No evidence for endocrine disrupting properties.

12.7. Other adverse effects

Additional ecological information None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.
 Dispose of waste and residues in accordance with local authority requirements.

Appropriate methods of disposal for the contaminated packaging Dispose unused product and the packaging in accordance with local requirements.

EWC waste code EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
 Classified as hazardous waste: Yes

EWL packing EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
 Classified as hazardous waste: Yes

Other information When handling waste, consideration should be made to the safety precautions applying to handling of the product. Waste code applies to product remnants in pure form.

SECTION 14: Transport information

14.1. UN number

| | |
|-------------|------|
| ADR/RID/ADN | 3175 |
| IMDG | 3175 |
| ICAO/IATA | 3175 |

14.2. UN proper shipping name

| | |
|---|--|
| Proper shipping name English | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. |
| ADR/RID/ADN | |
| Technical name/Danger releasing substance English ADR/RID/ADN | N-PROPANOL |
| ADR/RID/ADN | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. |
| Technical name/danger releasing substance ADR/RID/ADN | N-PROPANOL |
| IMDG | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. |
| Technical name/danger releasing substance IMDG | N-PROPANOL |
| ICAO/IATA | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. |
| Technical name/danger releasing substance ICAO/IATA | N-PROPANOL |

14.3. Transport hazard class(es)

| | |
|---------------------------------|-----|
| ADR/RID/ADN | 4.1 |
| Classification code ADR/RID/ADN | F1 |
| IMDG | 4.1 |
| ICAO/IATA | 4.1 |

14.4. Packing group

| | |
|-------------|----|
| ADR/RID/ADN | II |
| IMDG | II |
| ICAO/IATA | II |

14.5. Environmental hazards

| | |
|-----------------------|----|
| IMDG Marine pollutant | No |
|-----------------------|----|

14.6. Special precautions for user

Special safety precautions for user Not relevant.

14.7. Maritime transport in bulk according to IMO instruments

| | |
|--------------|--|
| Product name | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. |
|--------------|--|

Additional information

| | |
|--------------------------|-----|
| Hazard label ADR/RID/ADN | 4.1 |
| Hazard label IMDG | 4.1 |
| Hazard label ICAO/IATA | 4.1 |

ADR/RID Other information

| | |
|-------------------------|----|
| Tunnel restriction code | E |
| Transport category | 2 |
| Hazard No. | 40 |

IMDG Other information

| | |
|-----|----------|
| EmS | F-A, S-I |
|-----|----------|

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

| | |
|-----------------------------|---|
| Other label information | For professional users only. As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions. |
| Legislation and regulations | The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). EH40/2005, Workplace exposure limits 2005, with amendments. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents. |

15.2. Chemical safety assessment

| | |
|--------------------------------------|----|
| Chemical safety assessment performed | No |
|--------------------------------------|----|

SECTION 16: Other information

| | |
|--|--|
| List of relevant H-phrases (Section 2 and 3) | H225 Highly flammable liquid and vapour. |
|--|--|

| | |
|---------------------------------------|--|
| | H226 Flammable liquid and vapour. H318 Causes serious eye damage. H336 May cause drowsiness or dizziness. |
| Training advice | No particular training or education is required but the user must be familiar with this SDS. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions. |
| Information added, deleted or revised | Relevant changes compared to the previous version of the safety data sheet are indicated with verticle lines in the left margin. |
| Version | 3 |
| Prepared by | MP |