

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 27 Apr 2020

Print date: 6 May 2020

Version: 1

Page 1/9



Desi (modifiziert nach VAH vom 23.03.2020)

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

1.1. Product identifier

Trade name/designation:

Desi (modifiziert nach VAH vom 23.03.2020)

Other means of identification:

Händedesinfektion nach WHO empfohlene Formulierung und modifiziert nach VAH vom 23.03.2020

Article No.:

D12

Additional information:

alkoholisches Einreibepreparat für die hygienische Händedesinfektion

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

Use of the substance/mixture:

zu Händedesinfektion und Desinfektion von z.B. Türklinken, Handläufen etc.

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

HB Cleaning-Products GmbH

Labor/Produktsicherheit

Fürberger Str. 1

42857 Remscheid

Telephone: 02191-780980

Telefax: 02191-790021

E-mail: info@cleaning-products.de

E-mail (competent person): frankbieler1@aol.com

1.4. Emergency telephone number

Frank Bieler, 24h: 00491729475619, 00492191780980 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	
STOT-single exposure (STOT SE 3)	H336: May cause drowsiness or dizziness.	

Additional information:

ruft Hauttrockenheit hervor

2.2. Label elements

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

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark

Signal word: Danger

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 27 Apr 2020

Print date: 6 May 2020

Version: 1

Page 2/9



Desi (modifiziert nach VAH vom 23.03.2020)

hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

hazard statements for health hazards

H318 Causes serious eye damage.

Supplemental hazard information: -

Precautionary Statements Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautionary Statements Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

Adverse physicochemical effects:

After prolonged skin contact defatting possible use protective skin cream after prolonged skin contact.

Adverse human health effects and symptoms:

Kann Benommenheit verursachen. Für Frischluft sorgen

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description:

enthält Alkohole und Hilfsstoffe in wässriger Lösung

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 67-63-0 EC No.: 200-661-7	propan-2-ol Eye Irrit. 2, Flam. Liq. 2, STOT SE 3 Danger H225-H319-H336	0 - ≤ 63.82 Wt %
CAS No.: 7722-84-1 EC No.: 231-765-0	hydrogen peroxide Acute Tox. 4, Ox. Liq. 1, Skin Corr. 1A Danger H271-H302-H314-H332	0 - ≤ 2.53 Wt %

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

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

Following inhalation:

Provide fresh air. Get medical advice/attention if you feel unwell.

In case of skin contact:

After prolonged skin contact defatting possible use protective skin cream after prolonged skin contact.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion:

Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell. Do NOT induce vomiting.

Self-protection of the first aider:

Use personal protection equipment.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 27 Apr 2020

Print date: 6 May 2020

Version: 1

Page 3/9



Desi (modifiziert nach VAH vom 23.03.2020)

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

Serious eye damage/eye irritation Drowsiness Dizziness

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray jet alcohol resistant foam Extinguishing powder Carbon dioxide (CO₂)

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Combustible

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety. Use personal protection equipment. Remove all sources of ignition. When using do not smoke.

Protective equipment:

bei Umfüllarbeiten: Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

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:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

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

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Keep only in the original container in a cool, well-ventilated place. Handle and open container with care. Keep away from sources of ignition - No smoking. Provide adequate ventilation.

Fire prevent measures:

Keep away from sources of ignition - No smoking. Usual measures for fire prevention.

Advices on general occupational hygiene

When using do not eat, drink or smoke.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 27 Apr 2020

Print date: 6 May 2020

Version: 1

Page 4/9



Desi (modifiziert nach VAH vom 23.03.2020)

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Packaging materials:

PE (polyethylene)

Requirements for storage rooms and vessels:

Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight.

Hints on storage assembly:

Do not store together with: brandfördernden und selbstentzündlichen Stoffen sowie leicht entzündlichen Feststoffen. Von Lebensmitteln getrennt lagern.

Storage class: 3 - Flammable liquids

7.3. Specific end use(s)

Industrial sector specific solutions:

Disinfectant cleaners, other

GISCODE:

GDO

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	propan-2-ol CAS No.: 67-63-0	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³)
TRGS 900 (DE)	glycerol CAS No.: 56-81-5	① 200 mg/m ³ ② 400 mg/m ³ ⑤ (einatembare Fraktion)
DFG (DE)	hydrogen peroxide CAS No.: 7722-84-1	① 0.5 ppm (0.71 mg/m ³) ② 0.5 ppm (0.71 mg/m ³)

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
TRGS 903 (DE)	propan-2-ol CAS No.: 67-63-0	25 mg/L	① Aceton ② Blut ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	propan-2-ol CAS No.: 67-63-0	25 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 27 Apr 2020

Print date: 6 May 2020

Version: 1

Page 5/9



Desi (modifiziert nach VAH vom 23.03.2020)

8.2.2. Personal protection equipment



Eye/face protection:

Bei Umfüllarbeiten: Eye glasses with side protection DIN EN 166

Skin protection:

Bei Umfüllarbeiten: empfehlen wir Einweghandschuhe zu tragen.

Respiratory protection:

Im Normalfall kein Atemschutz erforderlich.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

General protection and hygiene measures: Keep away from food, drink and animal feed. When using do not eat, drink, smoke, sniff.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: colourless

Odour: Alcohol

Safety relevant basis data

parameter		at °C	Method	Remark
pH	5.5 - 7			
Melting point	not determined			
Freezing point	not determined			
Initial boiling point and boiling range	not determined			
Decomposition temperature	not determined			
Flash point	22 °C			
Evaporation rate	not determined			
Auto-ignition temperature	not determined			
Upper/lower flammability or explosive limits	not determined			
Vapour pressure	not determined			
Vapour density	not determined			
Density	not determined			
Bulk density	not determined			
Water solubility	not determined			
Partition coefficient: n-octanol/ water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	not determined			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 27 Apr 2020

Print date: 6 May 2020

Version: 1

Page 6/9



Desi (modifiziert nach VAH vom 23.03.2020)

10.3. Possibility of hazardous reactions

leichtentzündliche Dämpfe bei Gebrauch möglich daher nicht rauchen und von Zündquellen fernhalten

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

Oxidizing agent

10.6. Hazardous decomposition products

Gases/vapours, toxic

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
67-63-0	propan-2-ol	LD₅₀ oral: 5,840 mg/kg (Ratte) OECD 401 LD₅₀ dermal: 13,900 mg/kg (Kaninchen) OECD 402 LC₅₀ Acute inhalation toxicity (vapour): 25 mg/l 6 h (Rat) OECD 403
7722-84-1	hydrogen peroxide	LD₅₀ oral: >500 mg/kg (Ratte) LD₅₀ dermal: >4,000 mg/kg (Kaninchen) LC₅₀ Acute inhalation toxicity (vapour): 170 mg/l (Ratte)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

May cause drowsiness or dizziness.

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.

Additional information:

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 27 Apr 2020

Print date: 6 May 2020

Version: 1

Page 7/9



Desi (modifiziert nach VAH vom 23.03.2020)

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
67-63-0	propan-2-ol	LC ₅₀ : =9,640 mg/l 4 d (fish, Fisch) LC ₅₀ : =9,714 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) EC ₅₀ : >100 mg/l 3 d (Algae/water plant, Scened esmus subspicatus)
7722-84-1	hydrogen peroxide	LC ₅₀ : 16.4 mg/l 4 d (fish) LC ₅₀ : 27.4 mg/l 4 d (fish) EC ₅₀ : 2.4 mg/l 2 d (crustaceans) EC ₅₀ : 2.5 mg/l 3 d (Algae/water plant) EC ₅₀ : 7.7 mg/l 2 d (Algae/water plant)

12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
67-63-0	propan-2-ol	Yes, rapidly	
7722-84-1	hydrogen peroxide	Yes, rapidly	

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{ow}	Bioconcentration factor (BCF)
67-63-0	propan-2-ol	-0.16	
7722-84-1	hydrogen peroxide	0.2	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
67-63-0	propan-2-ol	—
7722-84-1	hydrogen peroxide	—

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

18 01 06 *	Chemicals consisting of or containing hazardous substances
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*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Non-contaminated packages may be recycled.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 27 Apr 2020

Print date: 6 May 2020


Version: 1

Page 8/9



Desi (modifiziert nach VAH vom 23.03.2020)

SECTION 14: Transport information

Land transport (ADR/RID)	
14.1. UN-No.	
UN 1219	
14.2. UN proper shipping name	
ISOPROPANOL (ISOPROPYL ALCOHOL)	
14.3. Transport hazard class(es)	
 3	
14.4. Packing group	
II	
14.5. Environmental hazards	
No data available	
14.6. Special precautions for user	
Limited quantity (LQ): (LQ): 1 L Excepted Quantities (EQ): E2 Hazard identification number (Kemler No.): 33 Classification code: - tunnel restriction code: (D/E) Remark:	

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

Berufsgenossenschaftliche Vorschriften (BGV)

Instruction on hazards and safety measures to the Operating Instructions (TRGS 555). The instructions must be carried out before the start of employment and at least annually thereafter.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 27 Apr 2020

Print date: 6 May 2020

Version: 1

Page 9/9



Desi (modifiziert nach VAH vom 23.03.2020)

Other regulations, restrictions and prohibition regulations

Klassifizierung nach Betriebssicherheitsverordnung (BetrSichV): leicht entzündbar

15.2. Chemical Safety Assessment

Eine Stoffsicherheitsberurteilung wurde für diese Mischung nicht durchgeführt.

SECTION 16: Other information

16.1. Indication of changes

The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. The information should give you clues for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product named in this safety data sheet is mixed with other materials, mixed or processed or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, can not be transferred to the new material produced in this way. This safety data sheet contains only safety-relevant information and does not replace any product information or product specification.

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

Data Sheets suppliers, legal texts, WHO-empfohlene Händedesinfektions-Formulierung, modifizierte Fassung nach VAH (Verband für angewandte Hygiene e.V. vom 24.03.2020)

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

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H225	Highly flammable liquid and vapour.
H271	May cause fire or explosion; strong oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

16.6. Training advice

No data available

16.7. Additional information

No data available

Operational instruction

Number: 151
State: 23 Apr 2020
Company:
Work area:

according to § 14
GefStoffV (Germany)

Work place:

Desi Handdesinfektion nach WHO-empfohlene Formulierung

- Industrielle / Gewerbliche Anwendung
- **Physical state:** Liquid
- **Colour:** colourless
- **Odour:** Alcohol

Hazard to man and environment



Danger

- Highly flammable liquid and vapour.
- **Reactivity:** No hazardous reaction when handled and stored according to provisions.
- **Chemical stability:** The product is chemically stable under recommended conditions of storage, use and temperature.
- **Possibility of hazardous reactions:** In use, may form flammable/explosive vapour-air mixture.
- **Incompatible materials:** Oxidizing agent
- Causes serious eye damage.
- slightly hazardous to water (WGK 1)

Preventive measures and rules of conduct



- **Advices on safe handling:** Keep/Store only in original container. Umfüllen nur in vorgesehene Desinfektionsmittelbehälter! Handle and open container with care. Keep away from sources of ignition - No smoking. Provide adequate ventilation. Gas / smoke / steam / aerosol do not inhale Nicht trinken!!!
- **Fire prevent measures:** Keep away from sources of ignition - No smoking. Usual measures for fire prevention.
- **Technical measures and storage conditions:** Keep container tightly closed in a cool, well-ventilated place.
- **Packaging materials:** PE (polyethylene)
- **Requirements for storage rooms and vessels:** Keep/Store only in original container. Nur umfüllen in geeigneten Desinfektionsmittelbehältern! Keep container tightly closed. Keep in a cool, well-ventilated place. Protect from direct sunlight.
- **Hints on storage assembly:** Do not store together with: brandfördernden und selbstentzündlichen Stoffen sowie leichtentzündlichen Feststoffen lagern. Von Lebensmitteln getrennt lagern.
- **Storage class:** 3 - Flammable liquids
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Store in a well-ventilated place. Keep container tightly closed.

Creat./Mod.: -
Date: 23 Apr 2020

Tested: -
Date: -

Release: -
Date: -

Preventive measures and rules of conduct

- **Advices on general occupational hygiene:** When using do not eat, drink or smoke. Kontakt mit den Augen vermeiden.

Respiratory protection:

- Im Normalfall kein Atemschutz erforderlich.

Eye/face protection:

- Eye glasses with side protection DIN EN 166 bei eventuellen Umfüllen in kleinere Gebinde.

Skin protection:

- Handschutz ist nicht erforderlich.

Reaction in case of danger

- **For containment:** Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Suitable extinguishing media:

- Water spray jet alcohol resistant foam Extinguishing powder Carbon dioxide (CO₂)

Unsuitable extinguishing media:

- Full water jet

Additional protective measures:

- **Personal precautions:** Remove persons to safety. Use personal protection equipment. Remove all sources of ignition. When using do not smoke.
- **Protective equipment:** Wear protective gloves/protective clothing/eye protection/face protection. (bei Umfüllarbeiten)
- **For emergency responders:** Personal protection equipment: see section 8

First aid



Following skin contact:

- In allen Zweifelsfällen oder wenn Symptome vorhanden sind, ärztlichen Rat hinzuziehen.

After eye contact:

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

In case of ingestion:

- Rinse mouth. Let water be drunken in little sips (dilution effect). jedoch niemals einer bewusstlosen Person oder bei auftretenden Krämpfen etwas über den Mund verabreichen. Get medical advice/attention if you feel unwell.

In case of inhalation:

- Provide fresh air. Get medical advice/attention if you feel unwell.

Further information:

- In allen Zweifelsfällen oder wenn Symptome vorhanden sind, ärztlichen Rat hinzuziehen.

Further information to physician:

- Treat symptomatically.

Appropriate disposal

- **Waste code product:** 18 01 06 *
- Consult the appropriate local waste disposal expert about waste disposal.
- Non-contaminated packages may be recycled.
- **UN number:** 1219
- **Transport hazard class(es):** 3

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Date: 23 Apr 2020

Tested: -
Date: -

Release: -
Date: -