

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Ideal**

Order number: 06600001 / 06600010

Revision date: 04.04.2022

Page 1 of 7

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Ideal** Order number: 06600001 / 06600010

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

#### Uses advised against

No information available.

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

Company name: Klasse 4 Dental GmbH  
Street: Bismarckstraße 21  
Place: D-86159 Augsburg  
Telephone: +49 821 608914-0  
e-mail: info@klasse4.de  
Contact person: Mr. Kramer  
e-mail: info@klasse4.de  
Internet: www.klasse4.de

Telefax: +49 821 608914-10

### 1.4. Emergency telephone number:

IRL: 01 809 2566 (Healthcare Professionals) | GB: 0044 151 951 3317 (Health and Safety Executive (HSE) Chemicals)

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Flam. Liq. 3; H226 Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

Regulation (EC) No 1272/2008

Signal word:

Warning

Pictograms:



#### Hazard statements

H226

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.

P280

Wear protective gloves and eye/face protection.

P337+P313

If eye irritation persists: Get medical advice/attention.

### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 3. Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Isolation agent

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
67-63-0	propan-2-ol			15 - < 20 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			

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

## 4. First aid measures

### 4.1. Description of first aid measures

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Ideal**

**Order number: 06600001 / 06600010**

Revision date: 04.04.2022

Page 2 of 7

### General information

Immediately remove any contaminated clothing, shoes or stockings.

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

#### After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### After ingestion

Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Call a physician immediately.

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

Vapours may cause drowsiness and dizziness. Processing vapours can irritate the respiratory tracts, skin and eyes.

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

Treat symptomatically.

## 5. Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), alcohol resistant foam, Water spray jet

#### Unsuitable extinguishing media

Full water jet

### 5.2. Special hazards arising from the substance or mixture

Vapours can form explosive mixtures with air.

Thermal decomposition can lead to the escape of irritating gases and vapours.

### 5.3. Advice for firefighters

Do not inhale explosion and combustion gases.

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

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### General advice

Provide adequate ventilation.

Use personal protection equipment. Remove all sources of ignition.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

#### Other information

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

Collect in closed and suitable containers for 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 in well-ventilated areas.

Avoid contact with eyes and skin.

Do not eat, drink or smoke when using this product.

#### Advice on protection against fire and explosion

Vapours can form explosive mixtures with air. Keep away from sources of ignition - No smoking.

Vapours are heavier than air.

Take precautionary measures against static discharges.

#### Advice on general occupational hygiene

Avoid breathing vapours.

Avoid contact with skin, eyes and clothes.

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Ideal**

Order number: 06600001 / 06600010

Revision date: 04.04.2022

Page 3 of 7

## Further information on handling

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

## 7.2. Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

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

### Further information on storage conditions

Protect against: Heat

Recommended storage temperature: +10°C / 50°F - +30°C / 86°F

## 7.3. Specific end use(s)

Please refer to our internet website for more information. [www.klasse4.de](http://www.klasse4.de)

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
67-63-0	Isopropyl alcohol	200	-	-	TWA (8 h)	
		400	-	-	STEL (15 min)	

#### Biological limit values

CAS No	Substance	Parameter	Value	Test material	Sampling time
67-63-0	2-Propanol	Acetone	40 mg/L	Urine	End of shift at end of workweek

### 8.2. Exposure controls



#### Appropriate engineering controls

Safe handling: see section 7

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye/face protection.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of the glove material: 0,4 mm

Breakthrough time: > 480 min

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.

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.

##### Respiratory protection

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

Respiratory protection necessary at: insufficient ventilation

##### Environmental exposure controls

Do not allow to enter into surface water or drains.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	light yellow
Odour:	characteristic

#### Test method

#### Changes in the physical state

Melting point/freezing point: < 0 °C

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Ideal**

Order number: 06600001 / 06600010

Revision date: 04.04.2022

Page 4 of 7

Boiling point or initial boiling point and boiling range:	> 82 °C	Literaturwert
Flash point:	28 °C	ISO 3679
<b>Flammability</b>		
Solid/Liquid:	not applicable	
Gas:	not applicable	
<b>Explosive properties</b>		
In use, may form flammable/explosive vapour-air mixture.		
Lower explosion limits:	2,0 * vol. %	
Upper explosion limits:	12,0 * vol. %	
Auto-ignition temperature:	not applicable	
Decomposition temperature:	not determined	
pH-Value (at 20 °C):	9	DIN 19268
Viscosity / dynamic:	not determined	
Viscosity / kinematic: (at 40 °C)	3 mm <sup>2</sup> /s	
Flow time: (at 23 °C)	< 30 s (3mm)	3 DIN EN ISO 2431
Water solubility:	easily soluble	
<b>Solubility in other solvents</b>		
miscible with most organic solvents		
Partition coefficient n-octanol/water:	not applicable	
Vapour pressure: (at 20 °C)	< 41 hPa	Literaturwert
Vapour pressure: (at 50 °C)	< 225 hPa	Literaturwert
Density (at 20 °C):	0,97 - 1,02 g/cm <sup>3</sup>	
Bulk density:	not applicable	

### 9.2. Other information

Oxidizing properties  
not relevant

Solid content: not determined  
Evaporation rate: not determined

#### Further Information

\* Data apply to the technically active substance.

### 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.

#### 10.3. Possibility of hazardous reactions

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

#### 10.4. Conditions to avoid

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

#### 10.5. Incompatible materials

Violent reaction with: Oxidising agent, strong

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

### 11. Toxicological information

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

##### Acute toxicity

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

##### Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Ideal**

**Order number: 06600001 / 06600010**

Revision date: 04.04.2022

Page 5 of 7

### 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.

### Aspiration hazard

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

### 11.2. Information on other hazards

#### Endocrine disrupting properties

No information available.

#### Further information

The product has not been tested. The statement is derived from the properties of the single components.

### 12. Ecological information

#### 12.1. Toxicity

There are no data available on the mixture itself.

#### 12.2. Persistence and degradability

There are no data available on the mixture itself.

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-63-0	propan-2-ol	0,05

#### 12.4. Mobility in soil

There are no data available on the mixture itself.

#### 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

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 information available.

#### Further information

The product has not been tested. The statement is derived from the properties of the single components. Do not allow uncontrolled discharge of product into the environment.

### 13. Disposal considerations

#### 13.1. Waste treatment methods Disposal recommendations

Send to a hazardous waste incinerator facility under observation of official regulations.

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

#### List of Wastes Code - residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

### 14. Transport information

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Ideal**

Order number: 06600001 / 06600010

Revision date: 04.04.2022

Page 6 of 7

### Land transport (ADR/RID)

**14.1. UN number or ID number:** UN 1987  
**14.2. UN proper shipping name:** ALKOHOLE, N.A.G. (2-Propanol Mischung)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1987  
**14.2. UN proper shipping name:** ALCOHOLS, N.O.S. (2-propanol mixture)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Marine pollutant: no

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 1987  
**14.2. UN proper shipping name:** Alcohols, n.o.s. (2-propanol mixture)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

Further information: see section 6, 7, 8

### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

## 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 3, Entry 40, Entry 75  
2010/75/EU (VOC): < 20 % (< 189 g/l)

#### National regulatory information

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

#### Additional information

REGULATION (EC) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on substances that deplete the ozone layer: not applicable

REGULATION (EU) 2019/1021 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on persistent organic pollutants

: not applicable

REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the export and import of hazardous chemicals: not applicable

## 16. Other information

### Changes

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Ideal**

**Order number: 06600001 / 06600010**

Revision date: 04.04.2022

Page 7 of 7

Abs. 3, 8, 9, 11, 15, 16 \* Data changed compared with the previous version.

### Abbreviations and acronyms

PBT: persistent and bioaccumulative and toxic vPvB: very persistent, very bioaccumulative

CAS: Chemical Abstracts Service (division of the American Chemical Society) ATE: Acute Toxicity Estimate

LD50: lethal dose, 50%

LC50: lethal concentration, 50%

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement concernant le transport international ferroviaire de marchandises Dangereuses (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

VOC: volatile organic compound(s)

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

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Eye Irrit. 2; H319	Calculation method

### 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 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. Restricted to professional users.