

**Safety data sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.05.2024

Version number 6 (replaces version 5)

Revision: 16.05.2024

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

· **1.1 Product identifier**

· Trade name: IPA/DI

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

No further relevant information available.

· **Application of the substance / the mixture** Cleaning agent/ Cleaner

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

· **Manufacturer/Supplier:**

Vliesstoff Kasper GmbH  
Rönneterring 7-9  
D-41069 Mönchengladbach  
Tel: +49 (0)2161-95195-0  
Fax: +49 (0)2161-95195-23  
www.vliesstoff.de  
eMail: info@vliesstoff.de

· **Informing department:**

Tel: +49 (0)2161-95195-0  
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· **1.4 Emergency telephone number:**

Tel: +49 (0)2161-95195-0  
This number is available during office hours:  
mo-thur 08:00 - 16:30 ; fr 08:00 - 15:00

**SECTION 2: Hazards identification**

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

· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Sol. 1 H228 Flammable solid.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Danger

- **Hazard-determining components of labelling:**

isopropyl alcohol

- **Hazard statements**

H228 Flammable solid.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- **Precautionary statements**

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

P261 Avoid breathing vapours.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

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

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

Please refer to further labelling elements in section 15 of this safety data sheet, if applicable.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine disrupting properties.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Impregnated Cleaning wipes.

- **Dangerous components:**

CAS: 67-63-0	isopropyl alcohol	50 - 100%
EINECS: 200-661-7	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	
Index number: 603-117-00-0		
Reg.nr.: 01-2119457558-25-X		

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information**

Show this safety data sheet to the attending physician.

Personal protection for the First Aider.

Instantly remove any clothing contaminated by the product.

- **After inhalation**

Supply fresh air; consult doctor in case of symptoms.

In case of unconsciousness bring patient into stable side position for transport.

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- **After skin contact**  
Instantly wash with water and soap and rinse thoroughly.  
In case of permanent aches and pains please go and see the doctor.
- **After eye contact**  
Use eye protection.  
Keep eye lids open and rinse them with ample amounts of clean running water for at least 15 minutes.  
Remove contact lenses if possible.  
In case of permanent aches and pains please go and see the doctor.
- **After swallowing**  
Rinse out mouth.  
Do not induce vomiting; instantly call for medical help.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
Inhalation of combustion gases may cause serious health hazards.  
Can be released in case of fire:  
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
  - **Protective equipment:** Wear self-contained breathing apparatus.
  - **Additional information** Use water to keep fire exposed containers cool.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Clear the danger zone.  
Ensure adequate ventilation  
Avoid contact with the product.  
Keep away from ignition sources
  - **For non-emergency personnel** Evacuate personnel to safe area.
  - **For emergency responders** Put on suitable personal protective equipment.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**  
Fumes can combine with air to form an explosive mixture.  
Keep away from heat, sparks and open flames.

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Protect against electrostatic charges.

- **Handling**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Do not eat, drink or smoke while working.

Avoid direct contact with eyes, skin and clothing.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage**

- **Requirements to be met by storerooms and containers:**

Store cool and dry in well sealed containers.

Store only in the original container.

Ensure sufficient ventilation.

- **Information about storage in one common storage facility:**

Keep away from strong oxidizing, alkalis and acidic materials.

Keep away from food, drink and animal feeding stuffs.

- **Further information about storage conditions:** Protect from heat and direct sunlight.

- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

WEL: workplace exposure limit

OEL: Occupational Exposure Limit

#### 67-63-0 isopropyl alcohol

WEL (Great Britain)	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm
	Long-term value: 999 mg/m <sup>3</sup> , 400 ppm

- **DNELs**

#### 67-63-0 isopropyl alcohol

Oral	DNEL (consumer, short-term, systemic)	51 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	26 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	888 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	319 mg/kg bw/day (human)
Inhalative	DNEL (worker, short-term, systemic)	1,000 mg/m <sup>3</sup> (human)
	DNEL (worker, long-term, systemic)	500 mg/m <sup>3</sup> (human)
	DNEL (consumer, short-term, systemic)	178 mg/m <sup>3</sup> (human)
	DNEL (consumer, long-term, systemic)	89 mg/m <sup>3</sup> (human)

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Take off all contaminated clothing immediately.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

- **Breathing equipment:** Not necessary if room is well-ventilated.

- **Hand protection**

In case of longer or repeated contact with the skin: use protective cream for the skin surfaces coming into contact with the product.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves** Nitrile rubber, NBR

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- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.  
In case of a layer thickness of 0.33 mm the penetration time is longer than 480 minutes.
- **Eye/face protection** Safety glasses recommended if possibility of liquid splashes exists.

### SECTION 9: Physical and chemical properties

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

##### · General Information

- |   |                   |
|---|-------------------|
| · <b>Physical state</b>   | Solid             |
| · <b>Colour:</b>  | White             |
| · <b>Odour:</b>   | alcohol-like      |
| · <b>Melting point/freezing point:</b>                            | Not determined    |
| · <b>Boiling point or initial boiling point and boiling range</b> | 82 °C             |
| · <b>Flammability</b>   | Highly flammable. |
| · <b>Lower and upper explosion limit</b>                          |                   |
| · <b>Lower:</b>   | 2 Vol %           |
| · <b>Upper:</b>   | 12 Vol %          |
| · <b>Flash point:</b>   | 13 °C             |
| · <b>Auto-ignition temperature:</b>                               | 425 °C            |
| · <b>SADT</b>   |                   |
| · <b>pH</b>   | Not applicable.   |
| · <b>Viscosity:</b>   |                   |
| · <b>Kinematic viscosity</b>                                      | Not applicable.   |
| · <b>dynamic:</b>   | Not applicable.   |
| · <b>Solubility</b>   |                   |
| · <b>Water:</b>   | Partly soluble    |
| · <b>Vapour pressure at 20 °C:</b>                                | 43 hPa            |
| · <b>Density and/or relative density</b>                          |                   |
| · <b>Density</b>  | Not determined    |
| · <b>Particle characteristics</b>                                 |                   |
| See section 3.  |                   |

#### · 9.2 Other information

- |  |   |
|--|---|
| · <b>Appearance:</b>   |   |
| · <b>Form:</b>   | Solid   |
| · <b>Important information on protection of health and environment, and on safety.</b> |   |
| · <b>Self-inflammability:</b>  | Product is not selfigniting.  |
| · <b>Explosive properties:</b>   | Product is not explosive. However, formation of explosive air/steam mixtures is possible. |
| · <b>Solvent content:</b>  |   |
| · <b>Organic solvents:</b>   | 70.0 %  |

#### · Information with regard to physical hazard classes

- |  |                  |
|--|------------------|
| · <b>Explosives</b>                            | Void             |
| · <b>Flammable gases</b>                       | Void             |
| · <b>Aerosols</b>                              | Void             |
| · <b>Oxidising gases</b>                       | Void             |
| · <b>Gases under pressure</b>                  | Void             |
| · <b>Flammable liquids</b>                     | Void             |
| · <b>Flammable solids</b>                      | Flammable solid. |
| · <b>Self-reactive substances and mixtures</b> | Void             |
| · <b>Pyrophoric liquids</b>                    | Void             |

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· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** All sources of ignition: heat, sparks, open flame, electrostatic discharges.
- **10.5 Incompatible materials:** Acids, bases, oxidizers.
- **10.6 Hazardous decomposition products:**  
None in case of intended use and storage in compliance with instructions.

### SECTION 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.

#### · **LD/LC50 values that are relevant for classification:**

#### 67-63-0 isopropyl alcohol

Oral	LD50	5,840 mg/kg (Rat) (OECD 401)
Dermal	LD50	13,400 mg/kg (rabbit)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **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.
- **11.2 Information on other hazards**

#### · **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

#### · **12.1 Toxicity**

#### · **Aquatic toxicity:**

#### 67-63-0 isopropyl alcohol

EC50 (static)	> 10,000 mg/l/24h (Daphnia magna) (OECD202)
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LC50 (dynamic) 9,640 mg/l/96h (Pimephales promelas) (OECD203)

- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** Not established.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.
- **Additional ecological information:**
  - **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
The waste code numbers mentioned are recommendations based on the probable use of the product.  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 02 00	absorbents, filter materials, wiping cloths and protective clothing
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

- **Uncleaned packagings:**
- **Recommendation:**  
Dispose of packaging according to regulations on the disposal of packagings.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR/RID, IMDG, IATA** UN3175
- **14.2 UN proper shipping name**
- **ADR/RID** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))
- **IMDG, IATA** SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

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· **14.3 Transport hazard class(es)**

· **ADR/RID**



· **Class**

4.1 (F1) Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives

· **Label**

4.1

· **IMDG, IATA**



· **Class**

4.1 Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives

· **Label**

4.1

· **14.4 Packing group**

· **ADR/RID, IMDG, IATA**

II

· **14.5 Environmental hazards:**

Not applicable.

· **Marine pollutant:**

No

· **14.6 Special precautions for user**

Warning: Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives

· **Kemler Number:**

40

· **EMS Number:**

F-A,S-I

· **Stowage Category**

B

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

· **ADR/RID**

· **Limited quantities (LQ)**

1 kg

· **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 500 g

· **Transport category**

2

· **Tunnel restriction code**

E

· **IMDG**

· **Limited quantities (LQ)**

1 kg

· **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 500 g

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- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul> | UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), 4.1, II |
|---|---|

### SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **National regulations**

- **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

- **Water hazard class:**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

- **Relevant phrases**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- **Department issuing data specification sheet:**



This Safety Data Sheet has been drawn up in cooperation with:  
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· **Version number of previous version: 5**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Sol. 1: Flammable solids – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **\* Data compared to the previous version altered.**

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