Safety data sheet

SECTION 1. Identification of the substance or mixture and of the company/undertaking

1.1. Product identifier

Name: CAS number: EC number: REACH number: UFI CODE	**ISOPROPYL ALCOHOL-BASED CLEANING CLOTH** NA, is a mixture NA, is a mixture NA, is a mixture SF10-K03G-100T-WRR3

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

Description/use	**ISOPROPYL ALCOHOL-BASED CLEANING CLOTH**
Uses advised against	Do not use for purposes other than those specified as specified.

1.3. Details of the supplier of the safety data sheet

Company name	**PHARMAMILLENNIUM**
Address	**VIA PETRARCA, 49**
City and country	**22070 ROVELL PORRO (CO)** **Italy** **Tel.**
Email address of the person responsible responsible for the safety data sheet	**INFO@PHARMAMILLENIUM.COM**

1.4. Emergency number

For urgent information, please contact	POISON INFORMATION CENTRES: Bologna – Ospedale Maggiore – Tel. 051/6478955 Bergamo – Ospedali Riuniti di Bergamo – 800 883300 Catania – Garibaldi Hospital Resuscitation Centre – Tel. 095/7594120 Cesena – Maurizio Bufalini Hospital – Tel. 0547/352612 Florence – Careggi Hospital – Tel. 055/7947819 (24 hours a day) Genoa – Gaslini Hospital – Tel. 010/3760873 Lecce – Vito Fazzi Regional Hospital – Tel. 0832/351105 Messina – Messina Study Centre – Tel. 090/2212451 Milan – Niguarda Ca' Grande Hospital – Tel. 02/66101029 (24 hours a day) Naples – Ospedali Riuniti Cardarelli – Tel. 081/5453333 (24 hours a day) Padua – Institute of University Pharmacology – Tel. 049/931111 Pavia – Fondazione Salvatore Maugeri – Tel. 0382/24444 (24 hours a day) Rome – Policlinico Agostino Gemelli – Tel. 06/3054343 (24 hours a day) Turin – University of Turin – Tel. 011/6637637 Trieste – Institute of Paediatrics Via dell'Istria 65/1 – Tel. 040/3785373

SECTION 2. Hazard identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous in accordance with the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adaptations). The product therefore requires a safety data sheet in accordance with the provisions of Regulation (EC) 1907/2006 and subsequent amendments.
Further information on health and/or environmental risks can be found in sections 11 and 12 of this data sheet.

2.1.1. Regulation 1272/2008 (CLP) and subsequent amendments and adaptations.

Classification and hazard statements:

Flam. Liq. 2	H225
Eye irritation 2	H319
STOT SE 3	H336

For the full text of the classification categories and hazard statements, see Section 16.

2.2. Elements of the label.

Hazard labelling in accordance with Regulation (EC) No. 1272/2008 (CLP) and subsequent amendments and adaptations.

GHS pictograms:	
Warning:	DANGER
Hazard statement:	H225 – Highly flammable liquid and vapour. H319 – Causes serious eye irritation. H336 – May cause drowsiness or dizziness.
Safety instructions:	P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 – Avoid breathing mist, aerosols and vapours. P280 – Wear gloves, protective clothing, eye protection, face protection. P305+P351+P338 – IF IN EYES: Rinse thoroughly for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403+P233 – Keep container tightly closed in a well-ventilated place.
COMPOSITION (Regulation 648/2004/EC)	Contains: ISOPROPYL ALCOHOL

2.3. Other hazards.

Narcotic effect.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

No relevant information.

3.2. Mixtures.

Contains:

IDENTIFICATION	CONCENTRATION	CAS	EC	REACH No	CLASSIFICATION
Isopropyl alcohol	70	67-63-0	200-661-7	01-211945755 8-25-XXXX	Flammable liquid 2, H225 Eye irritation 2, H319 STOT SE 3, H336

Note: Upper value of the range excluded.

The full text of the hazard statements (H) is listed in Section 16 of the Safety Data Sheet.

SECTION 4. First aid measures.

4.1. Description of first aid measures.

Inhalation: Ventilate the room well. Immediately remove the patient from the contaminated area and allow them to rest in a well-ventilated room. Consult a doctor if feeling unwell.
Direct skin contact (with the pure product): Wash with plenty of soap and water.
Direct contact with eyes (of the pure product): Immediately rinse with plenty of water for at least 10 minutes. Ingestion: If swallowed, seek medical advice immediately.

4.2. Most important acute and delayed symptoms and effects.

No data available.

4.3. Indication of the need for immediate medical attention and special measures.

When consulting a doctor, have the product container or label ready.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA
Use standard extinguishing agents: carbon dioxide, foam, powder and water mist. UNSUITABLE EXTINGUISHING AGENTS
None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS IN CASE OF FIRE
Avoid inhaling combustion products.

5.3. Recommendations for firefighters.

GENERAL INFORMATION
Cool containers with water jets to prevent decomposition of the product and the formation of potentially hazardous substances. Always wear full firefighting equipment. Collect extinguishing water and do not allow it to enter the sewage system. Dispose of contaminated extinguishing water and fire residues in accordance with applicable regulations.
EQUIPMENT
Normal firefighting clothing, such as open-circuit breathing apparatus (EN 137), flame-retardant protective clothing (EN 469), flame-retardant gloves (EN 659) and firefighting boots (HO A29 or A30).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Seal the leak if there is no danger.
Wear appropriate protective equipment (including personal protective equipment listed in Section 8 of the Safety Data Sheet) to prevent contamination of skin, eyes and personal clothing. These instructions apply to both employees working with the product and emergency responders.

6.2. Environmental precautions.

Prevent the product from entering drains, surface water or groundwater.

6.3. Methods and materials for containment and clean-up.

Wash off with plenty of water.

6.4. Reference to other sections.

For personal protection and disposal information, see Sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Handle the product after reviewing all other sections of this safety data sheet. Do not allow the product to enter the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Keep container closed in a well-ventilated place away from direct sunlight. Keep container away from incompatible materials, see Section 10.

7.3. Specific end uses.

Consumer use:
Store in a cool, dry place. Commercial use:
Handle with care.
Store in a well-ventilated place away from heat sources. Keep container tightly closed.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Normative references:

Italy	Decree Law No. 81 of 9 April 2008.
Switzerland	Occupational exposure limits 2012.
OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
TLV-ACGIH	ACGIH 2012

Isopropyl alcohol (67-63-0)	
DNEL/DMEL (workers)	
Long-term – systemic effects, skin	888 mg/kg body weight/day
Long-term – systemic effects, inhalation	203.41 ppm
DNEL/DMEL (general population)	
Long-term – systemic effects, oral	26 mg/kg body weight/day
Long-term – systemic effects, inhalation	89 mg/m

Isopropyl alcohol (67-63-0)	
Long-term – systemic effects, skin	319 mg/kg body weight/day
PNEC (water)	
PNEC aqua (freshwater)	140.9 mg/l
PNEC (sediment)	
PNEC sediment (freshwater)	552 mg/kg dry weight
PNEC (soil)	
PNEC soil	28 mg/kg dry weight
PNEC (STP)	
PNEC sewage treatment plant	2251 mg/l

Key

VND = Hazard identified, but no DNEL/PNEC available. ; NEA: No exposure expected. ; NPI: No hazard identified.

8.2. Exposure controls.

As the use of appropriate engineering controls should always take precedence over personal protective equipment, ensure good ventilation in the workplace through effective local exhaust ventilation.
When selecting personal protective equipment, consult your chemical supplier if necessary. Personal protective equipment must bear the CE mark, which certifies compliance with the applicable standards.

Provide an emergency shower with an eye wash basin.

Appropriate technical controls:
Consumer use:
Open carefully. Always reseal the container immediately. Take appropriate personal protective measures. Professional use:
Open carefully. Always reseal the container immediately after use. Take appropriate personal protective measures.

Personal protective measures:
a) Eye/face protection Not required for normal use.
b) Skin protection
i) Hand protection: Not required under normal use
ii) Other: Wear normal work clothing.
c) Respiratory protection Not required under normal use.
d) Thermal risks: None ENVIRONMENTAL

CONTROLS.

Emissions from production processes, including those from ventilation systems, should be monitored to ensure compliance with environmental protection regulations.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Physical state	: Liquid/impregnated wipes
Appearance	: Liquid.
Colour	: No data available
Odour	: Alcohol.
Odour threshold	: 22 - 200 ppm
pH	: not applicable
Relative evaporation rate (butyl acetate = 1)	: No data
available Melting point	: -89 °C
Freezing point	: No data available
Boiling point	: 82 °C
Flash point	: 12 °C (closed cup)
Auto-ignition temperature	: 399 - 455.6 °C
Decomposition temperature	: No data available
Flammability (solids, gases)	: Not applicable
Vapour pressure	: 60.2 hPa (25 °C)
Relative vapour density at 20 °C	: 2.1
Relative density	: 0.8 (20 °C)
Solubility	: Water: Soluble

Log Pow	Organic solvent: Miscible in all proportions
Kinematic viscosity Dynamic	: 0.05 (25 °C)
viscosity Explosive properties	: No data available
Oxidising properties	: No data available
Flammability or explosion limits	: Not explosive.
	: Not fire-promoting according to EC criteria.
	: 2 - 12 vol.

9.2. Further information.

No information available.

SECTION 10. Stability and reactivity.

10.1. Reactivity.

Under normal conditions of use, there are no particular hazards due to reactions with other substances.

10.2. Chemical stability.

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

Under normal conditions of use and storage, no dangerous reactions are to be expected.

10.4. Conditions to avoid.

None in particular. However, observe the usual precautions for handling chemicals.

10.5. Incompatible materials.

None in particular.

10.6. Hazardous decomposition products.

None in particular.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

No toxicological tests have been performed on the product itself.
(a) Acute toxicity: Based on the available data, the classification criteria are not met.
(b) Skin corrosion/irritation: Based on available data, the classification criteria are not met.
(c) Serious eye damage/eye irritation: Based on the available data, the classification criteria are not met.
(d) Respiratory or skin sensitisation: Based on the available data, the classification criteria are not met.
(e) Germ cell mutagenicity: Based on the available data, the classification criteria are not met.
(f) Carcinogenicity: Based on the available data, the classification criteria are not met.
(g) Reproductive toxicity: Based on the available data, the classification criteria are not met.
(h) Specific target organ toxicity (STOT) after single exposure: Based on the available data, the classification criteria are not met.
(i) Specific target organ toxicity (STOT) after repeated exposure: Based on the available data, the classification criteria are not met.
(j) Aspiration hazard: Based on the available data, the classification criteria are not met.

Acute toxicity (oral)	: Not classified (based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Isopropyl alcohol (67-63-0)	
LD50 oral rat	5840 mg/kg (OECD Method 401)
LD50 dermal rat	13900 mg/kg (OECD Method 402)
LC50 inhalation rat	> 25,000 mg/m³ (OECD Method 403)

Skin corrosion/irritation	: Not classified (based on available data, the classification criteria are not met) pH value: Not applicable
Further information	: Repeated contact may cause dry or cracked skin.
Serious eye damage/eye irritation	: Causes serious eye irritation. pH value: Not applicable
Respiratory or skin sensitisation	: Not classified (Based on the available data, the classification criteria are not met (. OECD 406))
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met (OECD 474 & 476))
Carcinogenicity	: Not classified (based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (based on available data, the classification criteria are not met)

Specific target organ toxicity (STOT) – single exposure Specific target organ toxicity (STOT) – repeated exposure

Isopropyl alcohol (67-63-0)	
NOAEL (oral, rat, 90 days)	853 mg/kg body weight/day Fertility
NOAEC (inhalation, rat, vapour, 90 days)	12,500 mg/m³

SECTION 12. Ecological information.

Use in accordance with good working practices and avoid releasing the product into the environment. Notify the relevant authorities if the product has entered waterways or the sewage system or has contaminated the soil or vegetation.

12.1. Toxicity.

No environmental compatibility tests have been carried out on the product itself in the event of accidental release into the environment. Use in accordance with good working practices and avoid releasing the product into the environment.

Acute aquatic toxicity : Not classified
Chronic aquatic toxicity : Not classified

Isopropyl alcohol (67-63-0)	
LC50 fish	9640 mg/l/96h (Pimephales promelas)
EC50 Daphnia	> 10,000 mg/l/24h (Daphnia magna)

12.2. Persistence and degradability

Isopropyl alcohol (67-63-0)	
Persistence and degradability	Readily biodegradable.
Biological degradation	> 98

12.3. Bioaccumulative potential

Isopropyl alcohol (67-63-0)	
Log Pow	0.05 (25 °C)
Bioaccumulation potential	Not bioaccumulative.

12.4. Mobility in soil

Isopropyl alcohol (67-63-0)	
Mobility in soil	Very mobile
Ecology – soil	Low adsorption.

12.5. Results of PBT and vPvB assessment

Isopropyl alcohol (67-63-0)	
PBT assessment	The product does not meet the criteria for classification as a PBT or vPvB substance.

12.6. Other adverse effects

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse if possible. Product residues must be treated as hazardous waste. The hazardousness of waste containing this product must be assessed in accordance with applicable legal regulations.
Disposal must be carried out by a company authorised for waste disposal in accordance with national and, where applicable, local regulations.
Under no circumstances should the product be allowed to enter the soil, sewage system or
waterways. The transport of waste may be subject to ADR regulations.
CONTAMINATED PACKAGING
Contaminated packaging must be recycled or disposed of in accordance with national waste disposal regulations.

SECTION 14. Transport information.

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1219	UN 1219	UN 1219	UN 1219	UN 1219
14.2. UN shipping name				
ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL (ISOPROPYL ALCOHOL)	Isopropanol	ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL (ISOPROPYL ALCOHOL)
14.3. Transport hazard classes				
3	3	3	3	3
				
14.4. Packaging group				
II	II	II	II	II
14.5. Environmental hazards				
Hazardous to the environment: No	Hazardous to the environment: No Marine pollution: No	Hazardous to the environment: No	Hazardous to the environment: No	Hazardous to the environment: No

14.6. Special precautions for users

Transport by land

Classification code (ADR)	: F1
Special provisions (ADR)	601
Limited quantities (ADR)	: 1 l
ADR quantity exemptions	: E2
Packaging instructions (ADR)	: P001, IBC02, R001

SECTION 15. Regulations.

15.1. Specific regulations and laws relating to health, safety and the environment for the substance or mixture.

Legislative Decree No. 81 of 9 April 2008
Ministerial Decree of 26 February 2004 (occupational exposure limits) Regulation (EC) No. 1907/2006 (REACH)
Regulation (EC) No. 1272/2008 (CLP)
Regulation (EC) No 790/2009 (ATP 1 CLP) and (EU) No 758/2013 Regulation (EU) 2015/830 Regulation (EU) No 286/2011 (ATP 2 CLP)
Regulation (EU) No 618/2012 (ATP 3 CLP)
Regulation (EU) No 487/2013 (ATP 4 CLP)
Regulation (EU) No 944/2013 (ATP 5 CLP)
Regulation (EU) No 605/2014 (ATP 6 CLP) Directive 2012/18/EU (Seveso III) Regulation (EU) No 2015/1221 (ATP 7 CLP)
Regulation (EU) No 2016/918 (ATP 8 CLP) Regulation (EU) No 2016/1179 (ATP 9 CLP) Regulation (EU) No 2017/776 (ATP 10 CLP) Regulation (EU) No 2018/699 (ATP 11 CLP) Regulation (EU) No 2019/521 (ATP 12 CLP)
Regulation (EU) No 2018/1480 (ATP 13 CLP)

Restrictions relating to the product or the substances contained therein in accordance with Annex XVII of Regulation (EC) No. 1907/2006 (REACH) and subsequent amendments:
None
Where applicable, the following regulations must be observed: Ministerial Circulars 46 and 61 (aromatic amines). Directive 2012/18/EU (Seveso III) Regulation 648/2004/EC (detergents).
Legislative Decree No. 152 of 3 April 2006 Environmental regulations Directive 2004/42/EC

(VOC Directive) Seveso category – Directive 2012/18/EC: No

Restrictions on the product or substances contained therein in accordance with Annex XVII of Regulation (EC) No. 1907/2006 Product Point 3

Substances on the candidate list (Art. 59 REACH)

According to the available data, the product does not contain any SVHC substances in a proportion

exceeding 0.1%. Substances subject to authorisation (Annex XIV REACH) None

Substances subject to export notification requirements under Regulation (EC) No 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Health check

rolls

Employees exposed to this hazardous chemical substance must undergo health monitoring in accordance with the provisions of Art. 41 of Legislative Decree 81 of 9 April 2008, unless the risk to the safety and health of the employee has been assessed as negligible in accordance with Art. 224(2).

15.2. Chemical safety assessment.

No chemical safety assessment has been carried out for the mixture and the substances it contains. The exposure scenarios for the raw materials are still pending.

SECTION 16. Other information.

Issue No. 01 Rev. 04 Complies with Regulations 1272/2008 (CLP) and (EU) **1907/2006, as amended**

References:
ECHA database
Database for sensitizers, Istituto Superiore di Sanità Safety data sheet from the supplier of the substances

Text of the hazard statements (H) in sections 2-3 of the data sheet:

Full text of hazard statements H and EUH:	
Eye irritation 2	Serious eye damage/eye irritation, Category 2
Flammable liquid 2	Flammable liquids, category 2
STOT SE 3	Specific target organ toxicity – single exposure, Category 3, anaesthesia
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

KEY:
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS NUMBER: Chemical Abstract Service number
- EC50: Concentration that causes an effect in 50% of the tested population
- CE NUMBER: Identification number in the ESIS (European Archive for Existing Substances)
- CLP: Regulation (EC) No. 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency plan
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- IATA DGR: International Air Transport Association regulations for the transport of dangerous goods
- IC50: Concentration at which 50% of the test population is immobilised
- IMDG: International Maritime Dangerous Goods Code
- IMO: International Maritime Organisation
- INDEX NUMBER: Identification number in Annex VI of the CLP Regulation
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure limit
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predicted exposure level
- PNEC: Predicted no-effect concentration
- REACH: Regulation (EC) No. 1907/2006
- RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded during the entire working period.
- TWA STEL: Short-term exposure limit value
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Water hazard class (Germany).

The Merck Index. – 10th edition
- Handling chemicals
- Niosh – Register of toxic effects of chemical substances
- INRS – Toxicological Data Sheet
- Patty – Occupational Hygiene and Toxicology
- N.I. Sax – Hazardous Properties of Industrial Materials-7, 1989 edition
- ECHA website

Safety data sheet in accordance with EU Directive No. 1907/2006 (amended). The information is based on our current knowledge, but does not constitute a guarantee of the product's properties and does not establish a contractual legal relationship.

NOTE FOR USERS

This document serves as a guide for the proper handling of this product. The product must not be used for purposes other than those specified in Section 1 unless sufficient information on the handling of the material is available.

The person responsible for this document cannot provide warnings about all hazards arising from the use or interaction with other chemicals or materials. The user is responsible for the safe use of the product, the suitability of the product for the intended use and proper disposal. The information contained herein shall not be construed as an express or implied representation or warranty regarding merchantability, fitness for a particular purpose, quality or other characteristics. The information contained in this safety data sheet complies with the provisions of Annex II of Regulation (EU) No. 453/2010.