

**PRODERM CHIFFONNETTES MECANICIEN**

**SAFETY DATA SHEET**

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

**SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name : PRODERM CHIFFONNETTES MECANICIEN

Product code : 301021.

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

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

Registered company name : IPC S.A.S..

Address : 10, Quai Commandant Malbert - CS 71821.29218.BREST Cedex 2.France.

Telephone : +33 (0)2 98 43 45 44. Fax : +33 (0)2 98 44 22 53.

ipc@ipc-sa.com <http://www.ipc-sa.com>

**1.4. Emergency telephone number : 01 45 42 59 59.**

Association/Organisation : INRS.

**SECTION 2 : HAZARDS IDENTIFICATION**

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

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Flammable liquid, Category 3 (Flam. Liq. 3, H226).

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

**2.2. Label elements**

Detergent mixture (see section 15).

Non-rinse-off cosmetic mixture.

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazard pictograms :



GHS02

Signal Word :

WARNING

Hazard statements :

H226

Flammable liquid and vapour.

Precautionary statements - Prevention :

P210

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

Precautionary statements - Storage :

P403 + P235

Store in a well-ventilated place. Keep cool.

Precautionary statements - Disposal :

P501

Dispose of contents/container to ...

**2.3. Other hazards**

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

**PRODERM CHIFFONNETTES MECANICIEN****SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	Note	%
INDEX: 603_002_00_5 CAS: 64-17-5 EC: 200-578-6  BIOETHANOL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1]	2.5 <= x % < 10
INDEX: 603_117_00_0 CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25-XXXX  PROPAN-2-OL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]	0 <= x % < 2.5
INDEX: 009 CAS: 68439-57-6 EC: 270-407-8 REACH: 01-2119513401-57  SODIUM C14-C16 OLEFINE SULFONATE	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		0 <= x % < 2.5
INDEX: 603_057_00_5 CAS: 100-51-6 EC: 202-859-9 REACH: 01-2119492630  BENZYL ALCOHOL	GHS07 Wng Acute Tox. 4, H302 Eye Irrit. 2, H319 Acute Tox. 4, H332	[1]	0 <= x % < 2.5
INDEX: 603_085_00_8 CAS: 52-51-7 EC: 200-143-0  BRONOPOL (INN)	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 3, H331 STOT SE 3, H335 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 10		0 <= x % < 2.5

(Full text of H-phrases: see section 16)

**Information on ingredients :**

[1] Substance for which maximum workplace exposure limits are available.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. Description of first aid measures****In the event of swallowing :**

Seek medical attention, showing the label.

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

No data available.

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

No data available.

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**SECTION 5 : FIREFIGHTING MEASURES**

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

**5.1. Extinguishing media**

Keep packages near the fire cool, to prevent pressurised containers from bursting.

**Suitable methods of extinction**

Prevent the effluent of fire-fighting measures from entering drains or waterways.

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

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

Consult the safety measures listed under headings 7 and 8.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

No data available.

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**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

**Fire prevention :**

Handle in well-ventilated areas.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged : always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically non-conductive.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

**PRODERM CHIFFONNETTES MECANICIEN****Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

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

No data available.

**Storage**

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

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

**Packaging**

Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limits :**

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5		1000 ppm		A3	
67-63-0	200 ppm	400 ppm		A4; BEI	

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

CAS	VME :	VME :	Excess	Notes
64-17-5		500 ppm 960 mg/m <sup>3</sup>		2(II)
67-63-0		200 ppm 500 mg/m <sup>3</sup>		2(II)
100-51-6		5 ppm 22 mg/m <sup>3</sup>		2(I)

- France (INRS - ED984 :2016) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
64-17-5	1000	1900	5000	9500	-	84
67-63-0	-	-	400	980	-	84

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 ppm 1920 mg/m <sup>3</sup>	- ppm - mg/m <sup>3</sup>			
67-63-0	400 ppm 999 mg/m <sup>3</sup>	500 ppm 1250 mg/m <sup>3</sup>			

**Derived no effect level (DNEL) or derived minimum effect level (DMEL):**

BENZYL ALCOHOL (CAS: 100-51-6)

**Final use:**

Exposure method:

Potential health effects:

DNEL :

Exposure method:

Potential health effects:

DNEL :

Exposure method:

Potential health effects:

**Workers.**

Dermal contact.

Long term systemic effects.

8 mg/kg body weight/day

Dermal contact.

Short term systemic effects.

40 mg/kg body weight/day

Inhalation.

Long term systemic effects.

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DNEL : 22 mg of substance/m3  
Exposure method: Inhalation.  
Potential health effects: Short term systemic effects.  
DNEL : 110 mg of substance/m3

**PROPAN-2-OL (CAS: 67-63-0)****Final use:**

Exposure method: Dermal contact.  
Potential health effects: Long term systemic effects.  
DNEL : 888 mg/kg body weight/day

Exposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 500 mg of substance/m3

**Final use:**

Exposure method: Ingestion.  
Potential health effects: Long term systemic effects.  
DNEL : 26 mg/kg body weight/day

Exposure method: Dermal contact.  
Potential health effects: Long term systemic effects.  
DNEL : 319 mg/kg body weight/day

Exposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL : 89 mg of substance/m3

**Predicted no effect concentration (PNEC):****BENZYL ALCOHOL (CAS: 100-51-6)**

Environmental compartment: Soil.  
PNEC : 0.456 mg/kg

Environmental compartment: Fresh water.  
PNEC : 1 mg/l

Environmental compartment: Sea water.  
PNEC : 0.1 mg/l

Environmental compartment: Fresh water sediment.  
PNEC : 5.27 mg/kg

Environmental compartment: Marine sediment.  
PNEC : 0.527 mg/kg

**PROPAN-2-OL (CAS: 67-63-0)**

Environmental compartment: Soil.  
PNEC : 28 mg/kg

Environmental compartment: Fresh water.  
PNEC : 140.9 mg/l

Environmental compartment: Sea water.

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PNEC :	140.9 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 140.9 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 552 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 2251 mg/l

**8.2. Exposure controls****Personal protection measures, such as personal protective equipment**

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

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**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****General information :**

Physical state : Fluid liquid.

**Important health, safety and environmental information**

pH : 7.50 +/-1.  
Neutral.

Boiling point/boiling range : Not specified.

Flash Point : 48.00 °C.

Vapour pressure (50°C) : Not relevant.

Density : 1.00

Water solubility : Dilutable.

Melting point/melting range : Not specified.

Self-ignition temperature : Not specified.

Decomposition point/decomposition range : Not specified.

**9.2. Other information**

No data available.

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**SECTION 10 : STABILITY AND REACTIVITY****10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

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**10.4. Conditions to avoid**

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces
- frost

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

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**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

No data available.

**11.1.1. Substances****Acute toxicity :**

BENZYL ALCOHOL (CAS: 100-51-6)

Oral route :

LD50 = 1620 mg/kg  
Species : Rat

Dermal route :

LD50 > 2000 mg/kg  
Species : Rabbit

Inhalation route (n/a) :

LC50 > 4.178 mg/l  
Species : Rat  
Duration of exposure : 4 h

PROPAN-2-OL (CAS: 67-63-0)

Oral route :

LD50 = 5840 mg/kg  
Species : Rat  
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route :

LD50 = 13900 mg/kg  
Species : Rabbit  
OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route (n/a) :

LC50 > 25 mg/l  
Species : Rat  
OECD Guideline 403 (Acute Inhalation Toxicity)

**Respiratory or skin sensitisation :**

PROPAN-2-OL (CAS: 67-63-0)

Local lymph node stimulation test :

Non-Sensitiser.  
Species : Guinea pig  
OECD Guideline 406 (Skin Sensitisation)

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**Germ cell mutagenicity :**

PROPAN-2-OL (CAS: 67-63-0)

Mutagenesis (in vivo) :

Negative.

Species : Mouse

OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Mutagenesis (in vitro) :

Negative.

Species : Bacteria

OECD Guideline 471 (Bacterial Reverse Mutation Assay)

**Carcinogenicity :**

PROPAN-2-OL (CAS: 67-63-0)

Carcinogenicity Test :

Negative.

No carcinogenic effect.

Species : Mouse

OECD Guideline 451 (Carcinogenicity Studies)

**Reproductive toxicant :**

PROPAN-2-OL (CAS: 67-63-0)

No toxic effect for reproduction

**11.1.2. Mixture**

No toxicological data available for the mixture.

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**SECTION 12 : ECOLOGICAL INFORMATION****12.1. Toxicity****12.1.1. Substances**

BRONOPOL (INN) (CAS: 52-51-7)

Fish toxicity :

0.01 &lt; LC50 &lt;= 0.1 mg/l

Factor M = 10

Duration of exposure : 96 h

BENZYL ALCOHOL (CAS: 100-51-6)

Fish toxicity :

LC50 = 460 mg/l

Species : Pimephales promelas

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 230 mg/l

Species : Daphnia magna

Duration of exposure : 48 h

NOEC = 51 mg/l

Species : Daphnia magna

Algae toxicity :

ECr50 = 770 mg/l

Species : Pseudokirchnerella subcapitata

Duration of exposure : 72 h

NOEC = 310 mg/l

Species : Pseudokirchnerella subcapitata

Duration of exposure : 72 h

PROPAN-2-OL (CAS: 67-63-0)

Fish toxicity :

LC50 = 9640 mg/l



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	Species : Pimephales promelas Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 = 9714 mg/l Species : Daphnia magna Duration of exposure : 24 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Algae toxicity :	ECr50 > 100 mg/l Species : Raphidocelis subcapitata Duration of exposure : 72 h

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability****12.2.1. Substances**

BRONOPOL (INN) (CAS: 52-51-7)

Biodegradability : Rapidly degradable.

BENZYL ALCOHOL (CAS: 100-51-6)

Five-day biochemical oxygen demand : DBO5 = 1.6 g/g

Biodegradability : Rapidly degradable.

PROPAN-2-OL (CAS: 67-63-0)

Chemical oxygen demand : DCO = 2.294 g/g

Five-day biochemical oxygen demand : DBO5 = 1.171 g/g

Biodegradability : Rapidly degradable.  
DBO5/DCO = 0.51

**12.3. Bioaccumulative potential****12.3.1. Substances**

BENZYL ALCOHOL (CAS: 100-51-6)

Octanol/water partition coefficient : log K<sub>ow</sub> = 1.1

PROPAN-2-OL (CAS: 67-63-0)

Octanol/water partition coefficient : log K<sub>ow</sub> = 0.05  
OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available.

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**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**PRODERM CHIFFONNETTES MECANICIEN****Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**SECTION 14 : TRANSPORT INFORMATION**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2017 - IMDG 2016 - ICAO/IATA 2017).

**14.1. UN number**

1987

**14.2. UN proper shipping name**

UN1987=ALCOHOLS, N.O.S.

(bioethanol, propan-2-ol)

**14.3. Transport hazard class(es)**

- Classification :



3

**14.4. Packing group**

II

**14.5. Environmental hazards**

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**14.6. Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	II	3	33	1 L	274 601 640C	E2	2	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	3	-	II	1 L	F-E,S-D	274	E2

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	II	353	5 L	364	60 L	A3 A180	E2
	3	-	II	Y341	1 L	-	-	A3 A180	E2

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

**14.7. Transport in bulk according to Annex II of Marpol 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****- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/1480 (ATP 13)

**- Container information:**

No data available.

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**- Particular provisions :**

No data available.

**- Labelling for cosmetic products (EC Regulation No. 1223/2009) :**

- less than 5 % : anionic surfactants
- less than 5 % : nonionic surfactants
- perfumes
- preservation agents
- allergenic fragrances :  
benzyl alcohol  
coumarin  
citronellol  
linalool  
methyl ionone gamma a (alpha-isomethyl-ionone)  
aldehyde hexyl cinnamique

**15.2. Chemical safety assessment**

No data available.

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**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Wording of the phrases mentioned in section 3 :**

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

**Abbreviations :**

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefahrdungsklasse (Water Hazard Class).

GHS02 : Flame

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.