

## SAFETY DATA SHEET Braun Clean & Renew Refill Cartridges (Isopropanol)

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

#### 1.1. Product identifier

Product name Braun Clean & Renew Refill Cartridges (Isopropanol)  
Product No. 98726848  
REACH Registration notes This SDS is written according to the requirements stated in REACH Regulation (EC) No 1907/2006 (in particular as amended by Regulation (EU) No. 453/2010 with respect to SDSs)

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

Identified uses Cleaning agent.  
Uses advised against No specific uses advised against are identified.

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

Supplier Braun GmbH  
Frankfurter Straße 145  
61476 Kronberg im Taunus  
Germany  
Contact Person E-mail: pgsds.im@pg.com

#### 1.4. Emergency telephone number

National Chemical Emergency Centre: +44 (0) 3700 492 795

### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (1999/45/EEC) Xi;R36. F;R11. R52/53, R67.

Human health

**Irritating to eyes. Vapours may cause drowsiness and dizziness.**

Environment

**The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.**

Physical and Chemical Hazards

**Heating will generate vapours which may form explosive vapour/air mixtures.**

#### 2.2. Label elements

Labelling



Irritant



Highly flammable

Risk Phrases

R11

Highly flammable

R36

Irritating to eyes.

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67

Vapours may cause drowsiness and dizziness.

Safety Phrases

S9

Keep container in a well-ventilated place.

S16

Keep away from sources of ignition - No smoking.

S25

Avoid contact with eyes.

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S51

Use only in well-ventilated areas.

# Braun Clean & Renew Refill Cartridges (Isopropanol)

S60  
P14

This material and its container must be disposed of as hazardous waste.  
Contains LIMONENE. May produce an allergic reaction.

## 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

ISOPROPYL ALCOHOL	60-100%
CAS-No.: 67-63-0	EC No.:
<b>Classification (EC 1272/2008)</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	<b>Classification (67/548/EEC)</b> Xi;R36. F;R11. R67.
PROPAN-1-OL	=< 5%
CAS-No.: 71-23-8	EC No.: 200-746-9
<b>Classification (EC 1272/2008)</b> Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT SE 3 - H336	<b>Classification (67/548/EEC)</b> F;R11 Xi;R41 R67
LIMONENE	<1%
CAS-No.: 138-86-3	EC No.: 205-341-0
<b>Classification (EC 1272/2008)</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC)</b> R10 R43 Xi;R38 N;R50/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

REACH Registration notes

This SDS is written according to the requirements stated in REACH Regulation (EC) No 1907/2006 (in particular as amended by Regulation (EU) No. 453/2010 with respect to SDSs)

Composition Comments

The data shown are in accordance with the latest EC Directives.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

Inhalation

Fresh air. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

Skin contact

Rinse with water. Get medical attention if any discomfort continues. Remove contaminated clothing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Rinse with water. Contact physician if discomfort continues.

## Braun Clean & Renew Refill Cartridges (Isopropanol)

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

Inhalation.

**No specific symptoms noted.**

Ingestion

**No specific symptoms noted.**

Skin contact

**No specific symptoms noted.**

Eye contact

**No specific symptoms noted.**

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

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media

**Foam. Powder. Water spray, fog or mist. Carbon dioxide (CO<sub>2</sub>).**

Unsuitable extinguishing media

**Do not use water jet as an extinguisher, as this will spread the fire.**

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

Unusual Fire & Explosion Hazards

**HIGHLY FLAMMABLE!**

Specific hazards

**In case of fire, toxic gases may be formed (CO<sub>x</sub>, NO<sub>x</sub>).**

### 5.3. Advice for firefighters

Special Fire Fighting Procedures

**Keep run-off water out of sewers and water sources. Dike for water control. Water spray should be used to cool containers.**

Protective equipment for fire-fighters

**Self contained breathing apparatus and full protective clothing must be worn in case of fire.**

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use open fire or other sources of ignition.**

**In case of inadequate ventilation, use respiratory protection.**

### 6.2. Environmental precautions

**Do not allow to enter drains, sewers or watercourses. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.**

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

**Absorb spillage with non-combustible, absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.**

### 6.4. Reference to other sections

For personal protection, see section 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Provide good ventilation. Do not eat, drink or smoke when using the product. Avoid contact with skin and eyes.**

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

**Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place. Take precautionary measures against static discharges. Avoid contact with oxidising agents.**

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

**Intermediate**

# Braun Clean & Renew Refill Cartridges (Isopropanol)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
		200 ppm(Sk)	500 mg/m3(Sk)	250 ppm(Sk)	625 mg/m3(Sk)	
PROPAN-1-OL	WEL	200 ppm(Sk)	500 mg/m3(Sk)	250 ppm(Sk)	625 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

Protective equipment



Process conditions

**Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.**

Engineering measures

**Provide adequate general and local exhaust ventilation.**

Respiratory equipment

**Use respiratory equipment with combination filter, type B+E/P3.**

Hand protection

**For prolonged or repeated skin contact use suitable protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.**

Eye protection

**Use eye protection. Wear tight-fitting goggles or face shield.**

Other Protection

**Provide eyewash station.**

Hygiene measures

**Wash hands after handling. Use appropriate skin cream to prevent drying of skin. Wash promptly if skin becomes contaminated.**

**Change work clothing daily if there is any possibility of contamination. When using do not eat, drink or smoke.**

Skin protection

**Wear apron or protective clothing in case of contact.**

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Liquid
Colour	Colourless.
Odour	Odour of alcohol.
Solubility	Insoluble in water
Initial boiling point and boiling range	78
Relative density	0.794 g/cm <sup>3</sup> 20
Flash point	12 CC (Closed cup).
Flammability Limit - Lower(%)	2
Flammability Limit - Upper(%)	12

### 9.2. Other information

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

## Braun Clean & Renew Refill Cartridges (Isopropanol)

### 10.3. Possibility of hazardous reactions

Not applicable.

Hazardous Polymerisation

Will not polymerise.

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with oxidisers or reducing agents.

### 10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Strong reducing agents.

### 10.6. Hazardous decomposition products

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

No specific health warnings noted.

Skin contact

No specific health warnings noted.

Eye contact

Irritating to eyes.

Route of entry

Inhalation. Ingestion. Skin and/or eye contact.

Target Organs

Respiratory system, lungs Gastro-intestinal tract Skin Eyes

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

### 12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

### 12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

### 12.4. Mobility in soil

Mobility:

Not considered mobile.

# Braun Clean & Renew Refill Cartridges (Isopropanol)

## 12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

## 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN)	1219
UN No. (IMDG)	1219
UN No. (ICAO)	1219

### 14.2. UN proper shipping name

Proper Shipping Name ISOPROPANOL (ISOPROPYL ALCOHOL)

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3
Transport Labels	



### 14.4. Packing group

ADR/RID/ADN Packing group	II
IMDG Packing group	II
ICAO Packing group	II

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.

### 14.6. Special precautions for user

EMS	F-E, S-D
Emergency Action Code	•2YE
Hazard No. (ADR)	33

# Braun Clean & Renew Refill Cartridges (Isopropanol)

Tunnel Restriction Code

(D/E)

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

### SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

**The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).**

Approved Code Of Practice

**Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.**

Guidance Notes

**CHIP for everyone HSG(108). Introduction to Local Exhaust Ventilation HS(G)37. Workplace Exposure Limits EH40.**

EU Legislation

**Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.**

National Regulations

**The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40) Health and Safety at Work Act (As Amended) 1974**

#### 15.2. Chemical Safety Assessment

### SECTION 16: OTHER INFORMATION

Information Sources

**Chemical manufacturers Safety Data Sheets**

Revision Comments

**This is first issue.**

Issued By	Procter & Gamble - European SDS Service
SDS No.	36696
Safety Data Sheet Status	Approved.
Date	19-Apr-2013
Signature	Lee Collis

Risk Phrases In Full

<b>R10</b>	Flammable.
<b>R52/53</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>R11</b>	Highly flammable
<b>R36</b>	Irritating to eyes.
<b>R38</b>	Irritating to skin.
<b>R43</b>	May cause sensitisation by skin contact.
<b>R41</b>	Risk of serious damage to eyes.
<b>R67</b>	Vapours may cause drowsiness and dizziness.
<b>R50/53</b>	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

<b>H318</b>	Causes serious eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H226</b>	Flammable liquid and vapour.
<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>H225</b>	Highly flammable liquid and vapour.
<b>H317</b>	May cause an allergic skin reaction.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H400</b>	Very toxic to aquatic life.

## Braun Clean & Renew Refill Cartridges (Isopropanol)

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.