

SAFETY DATA SHEET

Publishing date: 16.03.2011

Revision date: 16.01.2018

Rev.: 2.0

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier: BrillBird Cuticle Remover

1.2. Relevant identified uses of the mixture and uses advised against:

Nail preparation product for cosmetic use that removes the cuticle.

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

Brillbird Europe Kft.

1066 Budapest, Ó utca 46.

tel.: 06-30/506-8820

e-mail: brbirdeurope@gmail.com

1.4. Emergency telephone number:

Country	Name	Phone No.	Availability
Hungary	Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ)	+36 80201199	call around the clock
Austria	Vergiftungsinformationszentrale	+43 14064343	call around the clock
Belgium	Antigifzentrum	+32 070245245	call around the clock
Czech Republic	Toxikologického informačního střediska	+420 224919293	call around the clock
Denmark	Giftlinjen	+45 82121212	call around the clock
France	Centre Antipoison et de Toxicovigilance	+ 33 0140054848	call around the clock
Germany	Giftnotruf Berlin Institut für Toxikologie	+49 3019240	call around the clock
Ireland	National Poisons Information Centre	+353 018092566	call around the clock
Italy	S.C. Centro Antiveneni di Milano (CAV)	+39 0266101029	call around the clock
Spain	Instituto Nacional de Toxicología y Ciencias Forenses	+34 915620420	call around the clock
The Netherlands	Vergiftigingen	+31 0302748888	call around the clock

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2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Met Corr. 1 H290

Skin Corr. 1A H314

Acute Tox. 4 H302

2.2. Labelling elements:



GHS05 GHS07

Signal words: Danger

Hazard statements

May be corrosive to metals.

Causes severe skin burns and eye damage.

Harmful if swallowed.

Precautionary statements

Prevention

P260: Do not breathe dust / fume / gas / mist / vapours / spray.

P270: Do not eat, drink or smoke when using this product.

P 280: Wear protective gloves / protective clothing / eye protection / face protection.

Response

P310: Immediately call a POISON CENTER or doctor/physician.

P303 + 361 + 353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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Storage P405: Store locked up.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is considered dangerous and contains the following hazardous substances

Chemical name	CAS No.	EU No.	INCI name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Hazard statements	m%
potassium hydroxide	1310-58-3	215-181-3	Potassium Hydroxide	Met. Corr. 1 Acute Tox. 4 Skin Corr. 1A	H290 H314 H302	1.5-2

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

4. FIRST AID MEASURE

4.1. Description of first aid measures

General advice	In general, in case of doubt or if symptoms persist, consult a physician and show the product label or this MSDS. Never give anything by mouth to a person who is unconscious or likely to become so (state of shock, etc ...)
If inhaled	Move to fresh air, keep warm and get medical advice. If breathing is irregular or stops, give artificial respiration (if possible give oxygen) and contact the local Emergency Services.

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In case of skin contact	Wash immediately with lots of water (15 minutes)/shower. Remove clothing while washing. Do not apply (chemical) neutralizing agents. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface > 10%: take victim to hospital.
In case of eye contact	Rinse immediately with plenty of water for 15 minutes holding eyelids open. Cover eyes aseptically. Do not apply neutralizing agents. Take victim to an ophthalmologist immediately and show the product label or this MSDS; this should be treated as an emergency in case of symptoms (redness, pain, visual problems).
If swallowed	Rinse mouth with water. Immediately after ingestion, give lots of water to drink. DO NOT induce vomiting. Do not give activated charcoal. Do not give chemical antidote. Immediately consult a doctor/medical service.

4.2. Most important symptoms and effects associated with exposure

If inhaled	Risk of respiratory problems. Mucosal irritations. Irritations of oesophagus, gastrointestinal tract.
In case of skin contact	Redness, pain. Cause caustic burns / corrosion of the skin. Slow-healing wounds. On continuous / repeated exposure: dry skin or skin rash / inflammation.
In case of eye contact	Redness, watering, blurred vision, blindness. Cause burns. Corrosion of the eye tissue. Cause permanent eye damage.
If swallowed	Abdominal pain. Difficulty in swallowing. Possible esophageal perforation. Burns to the gastric/intestinal mucosa. Blood in vomit. AFTER ABSORPTION OF HIGH QUANTITIES: Change in the haemogram / blood composition. Disturbances of heart rate. FOLLOWING

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SYMPTOMS MAY APPEAR LATER: Bleeding of the gastrointestinal tract. Low arterial pressure. Blood in stool. Shock.

4.3. Indication of immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

Specific treatment No specific treatment.

FIREFIGHTING MEASURES

5.1. Extinguishing media For surrounding fires: All extinguishing media allowed.

To avoid No unsuitable extinguishing media known.

5.2 Specific hazards during fire fighting Violent exothermic reaction with water (moisture). Reacts on exposure to water (moisture) with combustible materials: risk of spontaneous ignition.

5.3. Advice for firefighters

Special protective actions for fire-fighters Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus. Use water to keep the containers exposed to fire cool. Heating will cause a pressure rise - with risk of bursting. Avoid naked flames or other sources of ignition in areas where product is used. Take account of toxic fire-fighting water. Prevent fire-fighting effluent from entering drains, watercourses and/or environment.

Special protective equipment for fire-fighters Fire-fighters should wear appropriate protective equipment. Gloves, face-shield, and corrosion proof suit, dust cloud production: compressed air/oxygen apparatus.

6. ACCIDENTAL RELEASE MEASURE

6.1. Personal precautions, protective equipment and

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emergency procedures

Personal precautions Use personal protective equipment and keep away unprotected persons. Avoid substance contact. Do not inhale vapours/aerosols. Ensure supply of fresh air in enclosed rooms. See Sections 7 and 8.

6.2. Environmental precautions Prevent product from entering drains or watercourses. Avoid subsoil penetration. If the product contaminates ground water, rivers or drains (or is likely to do so), notify the relevant authorities, following the statutory procedures.

6.3. Methods and materials for containment and cleaning up

Methods and materials Cover with dry sand/earth. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Collect material into suitable drums for disposal in accordance with regulations (see Section 13). Neutralize small quantities of the liquid spill with dilute acid solution. Wash away neutralized product with plentiful water. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4 Reference to other sections See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Protective measures Keep container tightly closed. Ensure adequate ventilation. Use personal protective equipment (see section 8). Avoid contact with the skin the eyes. Emergency eye wash fountains and emergency showers should be available in the

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immediate vicinity. Use corrosion proof equipment. Do not discharge the waste into the drain. Keep away from strong acids and other products that could react with bases. Do not mix with strong acids without precaution (exothermic reaction).

Hygiene measure

Keep away from food, drink and animal feeding stuffs. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face with mild soap before eating, drinking, smoking and when leaving work. Take off all contaminated clothing immediately. Avoid contact with the eyes and the skin.

7.2. Conditions for safe storage

Requirements for storage areas and containers

Store in tightly closed containers, in a cool, dry and well-ventilated place. Keep locked up. Requirements for storage rooms and containers: NO aluminum, tin or zinc. Provide for a tub to collect spills. Unauthorized persons are not admitted. Meet the legal requirements. Storage temperature: 20 °C. Keep away from food, drink and animal feedingstuffs.

Keep away from

Combustible materials / oxidizing agents / (strong) acids / highly flammable materials / metals / organic materials.

Suitable packaging material

Steel / stainless steel / carbon steel / iron / nickel / cardboard / synthetic material / glass / stoneware / porcelain.

Non suitable packaging material

Lead / aluminium / copper / tin / zinc / bronze / polyethylene.

7.3. Specific end uses

Recommendations

Not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.1. Occupational exposure limits

OELs (Occupational Exposure Limit values) for Hungary ¹		
Component	TWA (Time Weighted Average)	PC (Peak Concentration)
potassium hydroxide	2 mg/m ³	2 mg/m ³

8.2. Exposure controls

Engineering controls	Refer to protective measures listed in sections 7 and 8. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.
Individual protection measures	
Hygiene measures	Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take off all contaminated clothing immediately. Avoid contact with the eyes and the skin.
Respiratory protection	If vapour concentrations exceed the established exposure limits, respiration protection is necessary, wear a gas mask (P3) with appropriate cartridge.
Eye/face protection	Use face shield. In case of dust production: protective goggles.
Hand protection	Use adapted gloves (in accordance with EN 374) to prevent skin contact and possible irritation.
Skin and body protection	Corrosion proof clothing. In case of dust production: head / neck protection.
Ingestion	When using, do not eat, drink or smoke.
Environmental exposure controls	Prevent product from entering drains or watercourses. If product contaminates ground water, rivers or drains (or is

¹ For other local/national OEL values visit the following website: <http://www.dguv.de/ifa/fachinfos/occupational-exposure-limit-values/foreign-and-eu-limit-values/index.jsp>

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likely to do so), notify the relevant authorities, following the statutory procedures.

Environmental exposure controls Prevent product from entering drains or watercourses. If product contaminates ground water, rivers or drains (or is likely to do so), notify the relevant authorities, following the statutory procedures.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance/form	Translucent liquid.
Odour	Slight and variable.
Initial boiling point/range	> 100 °C
pH	12-13. Strong alkali.
Melting/freezing point	No data available.
Flash Point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	Formation of explosive air/vapour mixtures is possible.
Explosive Limits % Vol	No data available.
Vapour pressure	No data available.
Vapour density	No data available.
Density	1,00 - 1,10 gr/cm ³ at 20 °C
Water solubility	Miscible.

9.2. Other information

No further information available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

Exothermic reaction possible or violent to explosive reaction with many compounds e.g.: with organic material, with (some) halogens and with strong acids: heat release resulting

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- in increased fire or explosion risk.
- 10.2. Chemical stability** Stable under normal conditions of storage and use.
- 10.3. Possibility of hazardous reactions** Exothermic reaction possible with strong acids.
- 10.4. Conditions to avoid** Possible fire hazard: heat sources. Avoid packaging with incompatible materials. Avoid mixture with strong acids.
- 10.5. Incompatible materials** Combustible materials / oxidizing agents / (strong) acids / highly flammable materials / metals / organic materials / various plastics
- 10.6. Hazardous decomposition products** Reacts with (some) metals: release of highly flammable gases/vapours (hydrogen).

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicity	Value	Method	Result
Oral acute toxicity	pH > 11.5	/	Acute Tox. Cat. 4
Inhalation acute toxicity	No data available	/	
Dermal acute toxicity	No data available	/	
Skin corrosive	pH > 11.5	/	Skin Corr. Cat. 1A
Sensitisation	No sensitisation	Bridging principle	No Sensitisation

11.2. Most important symptoms and effects associated with exposure

Potential acute health effects

If inhaled Risk of respiratory problems. Mucosal irritations. Irritations of oesophagus, gastrointestinal tract.

In case of skin contact Redness, pain. Cause caustic burns / corrosion of the skin. Slow-healing wounds. On continuous / repeated exposure:

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	dry skin or skin rash / inflammation.
In case of eye contact	Redness, watering, blurred vision, blindness. Cause burns. Corrosion of the eye tissue. Cause permanent eye damage.
If swallowed	Abdominal pain. Difficulty in swallowing. Possible oesophageal perforation. Burns to the gastric/intestinal mucosa. Blood in vomit. AFTER ABSORPTION OF HIGH QUANTITIES: Change in the haemogram / blood composition. Disturbances of heart rate. FOLLOWING SYMPTOMS MAY APPEAR LATER: Bleeding of the gastrointestinal tract. Low arterial pressure. Blood in stool. Shock.

11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure

Exposure to levels above the values under Section 8, or regular exposure even if levels are lower, of vapours from solvents present in the preparation may be harmful for health; the effects through inhalation of the vapours and/or contact with skin on long or short time are: Irritation of mucous membranes and respiratory tract, renal, liver and central nervous system. Affections. Symptoms include headaches, dizziness, fatigue, muscular asthenia and, in extreme cases, unconsciousness. Prolonged or repeated skin contact can lead to defatting, provoking non-allergic contact dermatitis and absorption of product through the skin. A regular medical follow-up is necessary.

11.4. Potential chronic health effects

No information available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Potassium hydroxide, solid LC_{50} fishes = 50-165 mg/l
 EC_{50} Daphnia = 30-1000 mg/l

12.2. Persistence and

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degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

Low potential for absorption in soil. Ground water pollutant.

12.5. Results of PBT and vPvB assessment

Not applicable, based on available data.

12.6 Other adverse effects

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Not dangerous for the ozone layer (Council Regulation (EC) no 1005/2009).

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product

Avoid release to the environment or drains. Disposal together with normal waste is not allowed. Dispose of this product at hazardous or special waste collection point or give to an agreed waste collector / transporter for elimination or treatment. Dispose in a safe manner in accordance with local regulations.

Packaging

Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Do not burn, or use a cutting torch on the empty drum.

Container

Empty containers /drums for storage or transport before giving to an agreed collector. Keep label on the container and dispose of it as hazardous waste.

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14. TRANSPORT INFORMATION

This product is classified as dangerous goods.

- 14.1. UN No.** 1814
- 14.2. Proper shipping name** POTASSIUM HYDROXIDE SOLUTION
- 14.3. Transport hazard class and labels** 8, C5 
- 14.4. Packing group** PG III
- 14.5. Environmental hazards** No information available.
- 14.6. Special precautions** No information available.
- 14.7. Transport in bulk** No information available.
- according to Annex II of
**MARPOL 73/78 and the
IBC Code**

15. REGULATORY INFORMATION

- 15.1. Other regulation** 1223/2009/EEC: Regulation on cosmetic products
- 15.2. Chemical Safety Assessment** Chemical safety assessment was prepared neither for the ingredients, nor for the product itself.

16. OTHER INFORMATION

Note of supplier of material safety data sheet

Note: Since the product is marketed as a cosmetic product, thus, it is out of scope of CLP regulation 1272/2008. However, in order to facilitate the chemical risk assessment of work places for professional users, the classification and labelling elements in accordance with CLP are included, but only referential.

The product is labelled in accordance with 1223/2009/EEC.

This MSDS is based on data of the original safety data sheet provided by the manufacturer,



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using the up-to-date version of regulation 1907/2006. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product, therefore it cannot be used to verify quality compliance. BrillBird Europe Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.