

Safety Data Sheet

according to Regulation (EC) No 1907/2006

removal solution

Print date: 21.04.2015

Product code: 33914

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

removal solution

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

Cosmetics

Uses advised against

not known

1.3. Details of the supplier of the safety data sheet

Company name: Hairdreams Haarhandels GmbH
Street: Floraquellweg 9
Place: A-8051 Graz
Telephone: +43/316/ 60 57 40 Telefax:+43 316 6057 541
Internet: www.hairdreams.com

1.4. Emergency telephone number: +43/664/3758044 (8:00 - 16:00) Company
+44/870/600 6266 Information Centre Specialising in Symptoms of Poisoning

Further Information

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Indications of danger: F - Highly flammable

R phrases:

R 11: Highly flammable.

2.2. Label elements

Danger symbols: F - Highly flammable



F - Highly flammable

H phrases

H225 Highly flammable liquid and vapour

P phrases

P102 Keep out of the reach of children.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking.

Additional advice on labelling

Labelling according to cosmetic directive.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
200-578-6	Ethanol, ethyl alcohol	50-100 %
64-17-5	F-Highly flammable R11	
603-002-00-5	Flam. Liq.2, H225	

Full text of H and P phrases: see Section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Immediately call a POISON CENTER or doctor/physician. Let water be swallowed in little sips (dilution effect). Do not induce vomiting.

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

Dizziness. Headache. drowsiness. vomiting.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray.
alcohol resistant foam.
dry extinguishing powder.
Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Gas/vapours, harmful.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical resistant suit.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

- Provide adequate ventilation.
- Remove all sources of ignition.
- Wear personal protection equipment. (Refer to chapter 8.)

6.2. Environmental precautions

- Dumping into the environment must be prevented.

6.3. Methods and material for containment and cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal.
- Clear contaminated area thoroughly.

6.4. Reference to other sections

- See protective measures under point 7 and 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

- Wear suitable protective clothing. (Refer to chapter 8.)

Advice on protection against fire and explosion

- Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Further information on handling

- Flammable vapours can accumulate in steam space of closed systems.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

- Keep container tightly closed and in a well-ventilated place. Keep in a cool place.

Advice on storage compatibility

- Do not store together with: Radioactive substances. Infectious substances. Explosives
- Non-combustible toxic substances. ammonium nitrate. Organic peroxides. Self-reactive substances and mixtures: Substances or mixtures which, in contact with water emit flammable gases Pyrophoric liquids. Flammable solids. Oxidizing liquids. Oxidizing solids. Gas.

Further information on storage conditions

- Ensure adequate ventilation of the storage area.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls**Occupational exposure controls**

- If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.

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Protective and hygiene measures

No special measures are necessary.

Respiratory protectionRespiratory protection required in case of:
exceeding critical value

Suitable respiratory protective equipment: gas filtering equipment (EN 141). Typ: A

Einzelheiten zu Einsatzvoraussetzungen und maximalen
Einsatzkonzentrationen sind den "Regeln für den Einsatz
von Atemschutzgeräten" (BGR 190) zu entnehmen.**Hand protection**

In case of prolonged or frequently repeated skin contact:

Pull-over gloves of rubber. DIN EN 374

Suitable material:

(penetration time (maximum wearing period): > 8 h)

Butyl rubber.

FKM (fluororubber).

(penetration time (maximum wearing period): >= 2 Stunden):

CR (polychloroprenes, Chloroprene rubber).

Before using check leak tightness / impermeability. In case of reutilization, clean gloves before taking
off and store in well-aired place.**Eye protection**

Wear safety glasses; chemical goggles (if splashing is possible).

Skin protection

No special measures are necessary.

Environmental exposure controls

This material and its container must be disposed of in a safe way.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless
Odour:	Ethanol.

Test method**Changes in the physical state**

Boiling point:	~78 °C
Flash point:	~19 °C

Explosive propertiesIt is possible that in the head space of sealed containers, especially in the case of thermal
development, vapours of solvent cleaners may accumulate. Flames and sources of ignition must be
kept well away.

Lower explosion limits:	(Ethanol 100%) 3,3 vol. %
Upper explosion limits:	(Ethanol 100%) 19 vol. %
Ignition temperature:	~425 °C

Oxidizing properties

none/none

Vapour pressure (at 20 °C):	(Ethanol 100%) 59 hPa
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Vapour pressure (at 50 °C): (Ethanol 100%) 280 hPa
 Density (at 20 °C): ~0,87 g/cm³
 Water solubility: complete miscible

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal storage and handling conditions.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

In case of warming: Ignition hazard.

10.5. Incompatible materials

Materials to avoid: Alkali metals. Acid chlorides. Oxidizing agents.

10.6. Hazardous decomposition products

Can be released in case of fire: Gas/vapours, harmful.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
64-17-5	Ethanol, ethyl alcohol				
	Oral	LD50	6200 mg/kg	Rat.	IUCLID
	Inhalative (4 h) vapour	LC50	95,6mg/l	Rat.	RTECS

Specific effects in experiment on an animal

No information available.

Irritation and corrosivity

Irritant effect on the eye: slightly irritant but not relevant for classification.

Irritant effect on the skin: slightly irritant but not relevant for classification.

Sensitising effects

No information available.

Severe effects after repeated or prolonged exposure

ethanol, ethyl alcohol:

NOAEL (oral.) = 2400 mg/kg ; Toxicology and Applied Pharmacology. Vol. 16, Pg. 718,

NOAEC (inhalation.) = 16000 ppm ; Fundam Appl Toxicol 5:727-736.

Carcinogenic/mutagenic/toxic effects for reproduction

No information available.

SECTION 12: Ecological information

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12.1. Toxicity

CAS No	Chemical name	Method	Dose	h	Species	Source
64-17-5	Ethanol, ethyl alcohol					
	Acute fish toxicity	LC50	15,300mg/l	96	Pimephales promelas	
	Acute algae toxicity	ErC50	275mg/l	72	Chlorella vulgaris	
	Acute crustacea toxicity	EC50	9268 - 14221 mg/l	48	Daphnia magna	IUCLID

12.2. Persistence and degradability

Product is biodegradable.

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	Ethanol, ethyl alcohol	-0,31

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

Further information

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Waste disposal according to official state regulations. Consult the local waste disposal expert about waste disposal.

Waste disposal number of waste from residues/unused products

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150203 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; absorbents, filter materials, wiping cloths and protective clothing; absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

Contaminated packaging

Cleaned containers may be recycled.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:** UN1170

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14.2. UN proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Classification code: F1

Special Provisions: 144 601

Limited quantity: 1 L

Transport category: 2

Hazard No: 33

Tunnel restriction code: D/E

Other applicable information (land transport)

Excepted quantity: E2

Inland waterways transport (ADN)**14.1. UN number:** UN1170**14.2. UN proper shipping name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Classification code: F1

Special Provisions: 144 601

Limited quantity: 1 L

Other applicable information (inland waterways transport)

Excepted quantity: E2

Marine transport (IMDG)**14.1. UN number:** UN1170**14.2. UN proper shipping name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Marine pollutant: No

Special Provisions: 144

Limited quantity: 1 L

EmS: F-E, S-D

Other applicable information (marine transport)

Excepted quantity: E2

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Air transport (ICAO)

14.1. UN number:	UN1170
14.2. UN proper shipping name:	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3



Special Provisions:	A3 A58 A180
Limited quantity Passenger:	1 L
IATA-packing instructions - Passenger:	353
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	364
IATA-max. quantity - Cargo:	60 L

Other applicable information (air transport)

Excepted quantity: E2

Passenger-LQ: Y341

14.5. Environmental hazards

Dangerous for the environment: no

14.6. Special precautions for user

refer to chapter 6-8

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

irrelevant

SECTION 15: Regulatory information

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

EU regulatory information

1999/13/EC (VOC): 70 % - Data concerning the Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)

Additional information

The preparation is dangerous in the sense of Directive 1999/45/EC.

National regulatory information

Employment restrictions: Observe employment restrictions for young people.
Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information

Changes

21.04.2015 Rev.1.0

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 OSHA: Concerning the International Transport of Dangerous Goods by Rail)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NOAEL: No observed adverse effect level
 LOAEL: Lowest observed adverse effect level
 NOAEC: No observed adverse effect level
 LOAEC: Lowest observed adverse effect concentration
 DNEL: Derived No Effect Level
 PNEC: predicted no effect concentration
 TSCA: Toxic Substances Control Act
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 NTP: National Toxicology Program
 SARA: Superfund Amendments and Reauthorization Act
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 PBT: Persistent bioaccumulative toxic
 SVHC: substance of very high concern

Full text of H statements referred to under Sections 2 and 3

H225 Highly flammable liquid and vapour.

Full text of P statements referred to under Sections 2

P102 Keep out of the reach of children.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.