

Safety Data Sheet

according to Regulation (EG) no. 1907/2006



Revision date : 01.11.2012
Coming in force: 01.12.2012

Version: 5
replaces version: 4

AHD 2000[®]

This product is a medicinal product; according to the present legislation there is no obligation to create a safety data sheet for this product. We did it for the information of our customers.

1. Product and Company Identification

1.1 Product information

Trade name: AHD 2000[®]

1.2 Relevant identified applications of the mixture and applications which should be avoided

Applications of the product

Disinfection of hands and skin

1.3 Particulars about the supplier, who provides the Safety Data Sheet

Informing department: Scientific-Technical Department Berlin
E-Mail: kontakt@lysoform.de
Telefon: 030/77992-216

Manufacturer / Supplier:
Germany

Lysoform Dr. Hans Rosemann GmbH
Kaiser-Wilhelm-Straße 133
D-12247 Berlin
Telefon: 030/77992-0
Telefax: 030/77992-219
www.lysoform.de

Switzerland

Schweizerische Gesellschaft für Antiseptie AG
Postfach 444
5201 Brugg / Windisch
Telefon: 056 / 4416981
Telefax: 056 / 4424114

1.4 Emergency Overview:

Germany

Giftnotruf München Toxikol. Abteilung,
Klinikum rechts der Isar
Ismaninger Str. 22, 81675 München
Telefon: 0049 89 19240
Telefax: 0049 89 4140-2467

Switzerland

Schweizer Toxikologisches Informationszentrum
Freiestrasse 16
8032 Zürich
Telefon: 0041 44 2515151
Telefax: 0041 44 2528833

2. Hazard Identification

2.1 Classification of the substance or mixture

Hazards:

Easily inflammable
Irritation of the eyes, mucous membranes and wounds by contact with the concentrate.

2.2 Labelling:

See label

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2.3 Other hazards

The product does not meet the criteria for the classification as PBT and/or vPvB.

3. Composition / Information on the Ingredients

3.1 Substances

This product is a mixture of several substances.

3.2 Product

Active substances and hazard-determining components:

Ethanol

EG-Nr.: 200-578-6 CAS-no.: 64-17-5 REACH-Registrationno.: 01-2119457610-43

Proportion: 75 - 80 %

Classification according to Directive 67/548/EC:

F; R 11

Classification according to Ordinance (EC) No. 1272/2008:

Flammable liquid category 2; H225
Irritation on the eyes category 2; H319

Substances with prescribed EU-limit values

Name of substance: Butanon

EC-No.: 201-159-0 CAS-Nr. : 78-93-3 REACH-Registration No.: 02-2119752535-35

Proportion: < 1 %

Classification according to Directive 67/548/EC:

F; Xi; R 11; R 36; R 66-67

Classification according to Ordinance (EC) No. 1272/2008:

Flammable liquid category 2; H225
Irritation on the eyes category 2; H319
Specific Target Organ -Toxicity after a unique exposition category 3; H336
EUH066

(For the wording of the listed risk phrases refer to Section 16.)



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4. First Aid Measures

4.1 Description of the First Aid Measures

General information:

Seek medical advice immediately and show safety data sheet, packaging or label.

After inhalation:

Plenty of fresh air.

After skin contact:

n.a.

After eye contact:

Rinse out with plenty of running drinking water with the eyelid held wide open for several minutes.

After swallowing:

Do not induce vomiting. Rinse mouth with water and then drink plenty of water.

4.2 Most important symptoms and effects appearing immediately or later

Acute: Irritation of the mucous membranes

Delayed: After oral resorption an effect on the central nervous system such as for ex. dizziness or sleepiness can occur. Also redness of the face / skin can occur due to the expansion of the facial blood vessels.

4.3 Medical first aid or special treatments

Consult a doctor immediately and show him the safety data sheet, the packaging or the label.

5. Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media:

Water jet, carbon dioxide, extinguishing powder, alcohol-resistant foam.

5.2 Specific hazards coming from the components or the mixture

While burning some dangerous fumes / gases might be released:

Carbon monoxide, carbon dioxide and potentially explosive vapour/air mixtures.

5.3 Further information for firefighting

Wear an atmosphere independent breathing apparatus in the danger area. Use water jets for protection of persons and to cool down containers within the danger zone.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and procedures to be used in case of emergency situations

Use protective gloves and clothes. Provide for enough ventilation. Remove all sources of ignition – Do not smoke.

6.2 Environmental precautions

Do not allow into sewer system or groundwater.

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6.3 Methods and materials for retention and cleaning

Soak up with absorbent materials for ex. cloths, fleece and with liquid-binding materials (sand, acid binder, universal binder, saw dust). Discard big amounts of liquid with a pump.

6.4 Reference to other Data

Safe Handling (Section 7), Personal Protection (Section 8) and Elimination (Section 13)

7. Handling and Storage

7.1 Protection for a safe handling

Safe handling:

Ensure good ventilation at workplace. Keep containers tightly closed. Take particular care when using in the vicinity of alcohol sensitive materials (for ex. acrylic glass, varnished and pickled surfaces).

General hygienic measures at workplace:

Keep away from foodstuffs. Take off soiled, wet clothing immediately. Avoid contact with the eyes.

7.2 Requirements for a safe storage taking into consideration product incompatibilities

Requirements for storage areas and containers

Do not keep above 25 °C. Keep out of the reach of children.

Advice on protection against fire and explosion

Can form explosive gas-air-mixtures. Ensure good ventilation of area, including close to the ground. Vapours are heavier than the air. Keep away all sources of ignition – do not smoke, take measures against electrostatic charging.

Other informations concerning storage

Protect from sunlight.

Information on storage incompatibilities

According to TRGS 510: Keep away from food and beverages.

Storage class: 3 Flammable liquid (TRGS 510)

8. Occupational Exposure Limits and Monitoring

Personal Protection

8.1 Parameters to be monitored

Components with limit values that require monitoring at workplace

Components	CAS-Nr.	Value	Reference
Ethanol	64-17-5	AGW: 960 mg/m ³ , 500 ml/m ³ Top limit-exceedance factor: 2(II) Other indications: DFG, Y	TRGS 900

According to the available data and experience it can be assumed that if alcoholic products are used correctly the limits of ethanol and higher alcohol types in the air are not exceeded.

AGW = workplace limit, **DFG** = Senate Committee of the DFG for the testing of the health-hazardous chemicals = (MAK-Commission), **Y** = if AGW & BGW are not exceeded, there is no risk of mutagenity/teratogenity.



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8.2 Limitation and Monitoring of the Exposure

Individual protective measures - personal protective equipment:

General protection - and hygienic measures

Keep away from foodstuffs, beverages and animal feed. Take off soiled / wet clothes immediately. Avoid contact with the eyes.

Respiratory protection

By good ventilation no personal respiratory protective equipment required.

Hand protection

n.a.

Skin protection

To prevent occupational skin irritations it is recommended to proceed as follows - independently from the actual contact to disinfectants -:

- Apply a skin cream penetrating the skin rapidly whenever possible.
- Apply a nourishing cream on skin after washing the hands at the end of the working period or before a longer break.

Protection of eyes and face

Not necessary by normal use; when there is a danger of splashes wear tight-fitting goggles (for ex. safety goggles with side-shields).

9. Physical and chemical Properties

9.1 General information on the physical and chemical properties

If no details are available on the product the relevant data can be given for the components as follows: „Component: Details“.

Form	
- consistency:	liquid
- colour:	colourless
Odour:	Characteristic, smells of alcohol
Odour threshold:	ethanol: 19 – 93 mg/m ³ (0,001 - 0,0048 Vol.%)
pH at 20 °C:	approximately 7
Boiling point and boiling range:	ethanol: 78 °C
Flash point:	19 °C (DIN 51755, in closed skillet)
Explosion limits in the air:	ethanol 2,5 – 15 % (Vol.%)
Density at 20 °C:	0,85 g/cm ³
Oxidizing properties:	not determined, no oxidizing property known

10. Stability and Reactivity

10.1 Reactivity

No characteristics

10.2 Chemical stability

Stable under recommended storage conditions and when used according to the recommendations of the manufacturer.

10.3 Possibility of hazardous reactions

No danger if used according to the recommendations of the manufacturer.

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10.4 Conditions to be avoided

See Section 7.

10.5 Incompatible materials

None known.

10.6 Dangerous decomposition products

None known.

11. Toxicological Data

Data can be made available on request.

12. Environmental Data

Some of the effects of the products were not tested.

13. Disposal Considerations

13.1 Handling method for the elimination of the product

Handling of the product

May be disposed of according to the local regulation, for ex. in an appropriate waste disposal site or incineration plant. Do not dispose of it into the public sewage system.

Handling of the used packaging

Emptied packages can be discarded in the recycling (for ex. yellow) containers.

Waste code according to the ordinance on waste materials catalogues (AVV)

07 06 04 other organic solvents, washing liquids and mother liquors

15 01 02 Packages made of plastic materials

14. Transport

14.1 UN-Number

1170

14.2 UN proper shipping name

All types of transport:
ETHANOL (ETHYL ALCOHOL), solution

14.3 Transport hazard classes

Road: ADR/RID and GGVS/GGVE Class: 3 Flammable liquid materials

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Tunnel restriction code: D / E

Sea: IMDG/GGV Sea-Class: 3
EMS-number: F-E, S-D

Air: ICAO-TI / IATA-DGR-class: 3

14.4 Packing Group II

14.5 Environmental risk

Characterisation of the environmental hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: yes / no

IMDG-Code: Marine Pollutant: yes / no

14.6 Special precautions for the user (forwarding agent) None

14.7 Bulk transport according to Annex II of the MARPOL-Agreement 73/78 and according to the IBC-Code No bulk transport

15. Regulatory Information

15.1 Safety, health and environmental regulations / Legislation specific to the product

German Regulation:

Law on medicinal products and other relevant regulations / TRGS and notifications / Regulation for industrial safety BetrSichV / Young persons protection of employment Act / Law on maternity protection / Professional association's and trade inspectorate's guidelines

Other regulations, restriction and prohibition ordinances:

This is a medicinal product according to AMG § 2 sub-paragraph 1. For this reason this product is not under the obligation of labelling as a dangerous chemical according to the ordinance on hazardous substances.

16. Other Information

Modifications compared to the previous version

Completely revised edition - New format according to the legal ordinance (EU) Nr. 453/2010

Wording of the hazard statement, and of the relevant risk phrases (R-phrases) in accordance with paragraph 3:

According to Directive 67/548/EWG:

R-Phrases:

- 11 Highly flammable.
- 36 Irritating to eyes.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

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According to legal ordinance (EG) No. 1272/2008 (CLP / GHS):

Hazard warnings:

- H319 Causes serious eye irritations.
- H225 Highly flammable liquid and vapours.
- H336 May cause drowsiness or dizziness.
- EUH066 Repeated exposure may cause skin dryness or cracking.

The information contained in this safety data sheet is based on the present state of our knowledge and experience and describes the product with regard to the security requirements for a safe use of this product. This data is definitely not a description of the product itself (product specification). A description of the product or its suitability for a particular application cannot be derived from the data given in the safety data sheet. We will be glad to give you advice on the question whether a product is suitable for a specific use and under which conditions.

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