

Safety Data Sheet

Perspirex in alcohol

Replaces date: 10/05/2022

Revision date: 25/10/2022

Version: 2.3.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: Perspirex in alcohol

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

Recommended uses: Cosmetic product

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Riemann A/S
Address: Krakasvej 8
Zip code: 3400
City: Hillerød
Country: DENMARK
E-mail: info.riemann@orkla.dk
Phone: +45 4718 20 00

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

CLP Classification - other information: The product is a cosmetic product and therefore not covered by the classification and labelling rules that apply to chemical products. This product does not legally require an SDS as it is exempted as a cosmetic product. The format has been chosen to communicate information concerning safe use of the product.

Most serious harmful effects: Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Vapours may form explosive mixtures with air.

2.2. Label elements

The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.
Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Ingredient comments: Pursuant to Regulation (EC) No. 1223/2009 on cosmetic products:
ALCOHOL DENAT., ALUMINUM CHLORIDE, CALCIUM LACTATE, DENATONIUM BENZOATE, PEG-12 DIMETHICONE, HYDROXYPROPYLCELLULOSE.

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Contains:
10-25% Aluminium chloride, hexahydrate
50-80 % ethanol

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin contact:	Not relevant, as the product is a cosmetic product.
Eye contact:	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin - seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
General:	When obtaining medical advice, show the safety data sheet or label.

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

Irritating to eyes. Causes a burning sensation and tearing. Irritating to skin - may cause reddening. The product releases organic solvent vapours. At high concentrations, the vapours may cause headache, dizziness, intoxication and possible unconsciousness.

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

No special immediate treatment required. Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.
Unsuitable extinguishing media:	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released. Explosive mixtures may form with air when heated/exposed to fire.

5.3. Advice for firefighters

Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Stay upwind/keep distance from source. Stop leak if this can be done without risk. Keep unnecessary personnel away. Wear gloves. Wear safety goggles. Wear respiratory protective equipment. Provide adequate ventilation. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.
For emergency responders:	In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

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6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Smoking and naked flames prohibited.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Do not expose to heat (e.g. sunlight). Store in a dry, cool, well-ventilated area.

7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	fiber/cm ³	Remarks	Comments
ethanol	8h	1000	1920			

Measuring methods: Compliance with occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis: EH40/2005 Workplace exposure limits. Last amended January 2020.

PNEC

ethanol, cas-no 64-17-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	0.96 mg/l			
PNEC aqua (marine water)	0.79 mg/l			
PNEC aqua (intermittent releases)	2.75 mg/l			
PNEC STP (wastewater-treatment facilities)	580 mg/l			
PNEC sediment (freshwater)	3.6 mg/kg			
PNEC sediment (marine water)	2.9 mg/kg			
PNEC soil	0.63 mg/kg			

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DNEL - workers

ethanol, cas-no 64-17-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	950 mg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	1900 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	343 mg/kg bw/day				
Aluminium chloride, hexahydrate, cas-no 7784-13-6					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - local effects)	1 mg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	2 mg/m ³				

DNEL - general population

ethanol, cas-no 64-17-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	114 mg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	950 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	206 mg/kg bw/day				
Oral DNEL (long-term exposure - systemic effects)	87 mg/kg bw/day				
Aluminium chloride, hexahydrate, cas-no 7784-13-6					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Oral DNEL (long-term exposure - systemic effects)	0.3 g/kg bw/day				

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Not relevant, as the product is a cosmetic product.

Personal protective equipment, skin protection: Not relevant, as the product is a cosmetic product.

Personal protective equipment, Not relevant, as the product is a cosmetic product.

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hand protection:

Personal protective equipment, Not relevant, as the product is a cosmetic product.

respiratory protection:

Environmental exposure Ensure compliance with local regulations for emissions.

controls:

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	No data
Odour	Odourless
Solubility	Miscible with the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Flash Point	12.5 °C	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	
Density	No data	
Relative density	No data	
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
Explosive properties		Vapours may form explosive mixtures with air.

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixtures with air.

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10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		10470 mg/kg			

Aluminium chloride, hexahydrate, cas-no 7784-13-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		3470 mg/kg			

denatonium-benzoate-, cas-no 3734-33-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		584.0 mg/kg			

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - dermal

ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		15800 mg/kg			

denatonium-benzoate-, cas-no 3734-33-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000 mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation

ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (vapour)		20 mg/l			

denatonium-benzoate-, cas-no 3734-33-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (vapour)		200.0 mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Skin corrosion/irritation: Irritating to skin - may cause reddening.

Serious eye damage/eye irritation: Irritating to eyes. Causes a burning sensation and tearing.

Respiratory sensitisation or skin sensitisation: The product does not have to be classified. Test data are not available.

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Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

Endocrine disrupting properties: No known data.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

ethanol, cas-no 64-17-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Leuciscus idus		48hLC50	> 100 mg/l			
Crustacea	Daphnia magna		48hEC50	12.34 mg/l			
Algae	Selenastrum capricornutum		48hEC50	> 100 mg/l			

Aluminium chloride, hexahydrate, cas-no 7784-13-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		96hLC50	36.6 mg/l			
Fish	Oncorhynchus mykiss		42dNOEC	0.25 mg/l			
Crustacea	Daphnia magna		48hEC50	27.3 mg/l			
Crustacea	Daphnia magna		21dNOEC	0.8 mg/l			

denatonium-benzoate-, cas-no 3734-33-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Name of species not specified		96hLC50	> 1000 mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

ethanol, cas-no 64-17-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	-0.31			

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Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

No known data.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste:

EWC code: Depends on line of business and use, for instance 16 05 08* discarded organic chemicals consisting of or containing hazardous substances

Absorbent/cloth contaminated with the product: EWC code: 15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	1266	14.4. Packing group:	II
14.2. UN proper shipping name:	PERFUMERY PRODUCTS	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Hazard identification number:	33	Tunnel restriction code:	D/E

Inland water ways transport (ADN)

14.1. UN number or ID number:	1266	14.4. Packing group:	II
14.2. UN proper shipping name:	PERFUMERY PRODUCTS	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Transport in tank vessels:			

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Sea transport (IMDG)

14.1. UN number or ID number:	1266	14.4. Packing group:	II
14.2. UN proper shipping name:	PERFUMERY PRODUCTS	14.5. Environmental hazards:	The product is not a Marine Pollutant (MP).
14.3. Transport hazard class(es):	3	Environmental Hazardous Substance Name(s):	
Hazard label(s):	3	IMDG Code segregation group:	- None -
EmS:	F-E, S-D		

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number or ID number:	1266	14.4. Packing group:	II
14.2. UN proper shipping name:	PERFUMERY PRODUCTS	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions:	Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Directive 2012/18/EU (Seveso), P5c FLAMMABLE LIQUIDS: Column 2: 5000 t, Column 3: 50000 t. Covered by: Council Directive (EC) on the protection of young people at work. Regulation (EC) of the European Parliament and of the Council on cosmetic products.
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15.2. Chemical Safety Assessment

REACH Reg. No.	Substance name
01-2119457610-43	ethanol
01-2119459371-39	Aluminium chloride, hexahydrate

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
2.3.0	25/10/2022	Bureau Veritas HSE / DOL	1,2,16

Abbreviations:	PBT: Persistent, Bioaccumulative and Toxic STOT: Specific Target Organ Toxicity vPvB: Very Persistent and Very Bioaccumulative DNEL: Derived No Effect Level PNEC: Predicted No Effect Concentration
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Other Information:	This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the
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product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components.

SDS is prepared by

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