

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier:****Px in water <10%****1.2. Relevant identified uses of the substance or mixture and uses advised against:**

Cosmetic product (Antiperspirant).

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

RIEMANN

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Phone: +45 - 4718 2000

DK-3400 Hillerød

Fax: +45 - 4718 2001

Denmark

H: www.riemann.comResponsible person for the safety data sheet (e-mail): info@riemann.dk**1.4. Emergency telephone number:**

NHS (England or Wales): Dial 111 or 0845 4647 NHS 24 (Scotland): Dial 111

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

The product must be labelled in accordance with REGULATION (EC) No 1223/2009 on cosmetic products.

Cosmetic products are not classified according to CLP (1272/2008). This Safety Data Sheet is intended as a service to customers/users of this product.

CLP (1272/2008): None

2.2. Label elements:

None

2.3. Other hazards: None known.

PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

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

% w/w	Substance name Note	CAS-no.	EC-no.	Index-no.	REACH reg.-no.	Classification
<10	Aluminium-chloride hexahydrate	7784-13-6	231-208-1	-	-	Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335 1
<10	Renewable hydrocarbons, C15-C16, branched alkanes	-	942-444-6	-	01-2120107955-53	Asp. Tox. 1;H304 2

1) The EC number is stated for the water-free compound.

2) Total aromatics content < 0.005%

Wording of hazard statements - see section 16.

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

Inhalation: Move the affected person to fresh air. Keep at rest. If needed: Seek medical advice.

Skin contact: Product is intended to be in contact with the skin when used as directed. In case of skin of discomfort: Seek medical advice.

Eye contact: Immediately flush with water or physiological salt water for at least 15 minutes, holding eye lids open, remember to remove contact lenses, if any. If symptoms persist: Seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. In case of discomfort: Get medical attention.

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

May cause slight irritation of skin and eyes.

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

Show this safety data sheet to a physician or emergency ward.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media:

Use water spray, carbon dioxide, dry chemical or foam.

5.2. Special hazards arising from the substance or mixture:

Do not breathe smoke fumes. In case of fire, the product may form hazardous decomposition products.

5.3. Advice for firefighters:

Use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Not relevant. The product is intended to be in contact with the skin.

6.2. Environmental precautions:

Do not empty into drains - see section 12. Inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up:

Clean up small amounts with a wet cloth. Larger amounts can be cleaned up with paper towels and placed in a suitable container. Clean with water. Further handling of spillage - see section 13.

6.4. Reference to other sections:

See references above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Avoid contact with eyes and clothing.

7.2. Conditions for safe storage, including any incompatibilities:

Store in a tightly closed original container protected against direct sunlight.

7.3. Specific end use(s):

See section 1.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters:

Occupational exposure limits EH40/2005):

Aluminium salts, soluble: 2 mg/m³ (8-hr TWA)

DNEL/PNEC: No CSR.

Renewable hydrocarbons, C15-C16, branched alkanes are REACH registered, but there are no available DNEL/PNEC for the substance.

8.2. Exposure controls:

Appropriate engineering controls: None particular.

Personal protective equipment:

Inhalation: None under normal use (cosmetic product).

Skin: The product is intended to be in contact with the skin.

Eyes: Wear tight fitting safety goggles (EN166) when risk of eye contact.

Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Appearance:	Whiteish viscous liquid in container
Odour:	Soap
pH:	Not relevant
Melting point / freezing point (°C):	Not determined
Initial boiling point and boiling range (°C):	Not determined
Decomposition temperature (°C):	Not determined
Flash point (°C):	Not relevant
Evaporation rate:	Not determined
Flammability (solid, gas):	Not relevant
Upper/lower flammability or explosive limits (vol.-%):	Not relevant
Vapour pressure (kPa, 20°C):	Not determined
Vapour density (air=1):	Not determined
Relative density (g/cm ³):	1,03
Solubility:	Soluble in water
Partition coefficient: n-octanol/water, Log K _{ow} :	Not determined
Auto-ignition temperature (°C):	Not determined
Viscosity:	Not relevant
Explosive properties/Oxidising properties:	Not relevant
9.2. Other information:	None relevant

SECTION 10: Stability and reactivity

10.1. Reactivity:

No available data.

10.2. Chemical stability:

Stable under normal conditions - see section 7.

10.3. Possibility of hazardous reactions:

None known

10.4. Conditions to avoid:

None known

10.5. Incompatible materials:

None known

10.6. Hazardous decomposition products:

When heated to high temperatures (decomposition) toxic fumes can be emitted.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Hazard class	Data	Test	Data source
Acute toxicity:			
Inhalation:	No applicable/available data	-	-
Dermal:	LD ₅₀ (rat) = >2000 mg/kg (Renewable hydrocarbons, C15-C16)	EU Method B.3	ECHA
Oral:	LD ₅₀ (rat) = 3311 mg/kg (Aluminium chloride hexahydrate)	No info	RTECS
Corrosion/irritation:	Slight skin irritation, human, serious eye irritation, rabbit (Aluminium chloride hexahydrate)	Draize, OECD 405	RTECS, ECHA
	No skin or eye irritation, rabbit (Renewable hydrocarbons, C15-C16)	OECD 404, 405	ECHA
Sensitization:	No sensitization, Guinea pig (Aluminium chloride hexahydrate, Renewable hydrocarbons, C15-C16)	OECD 406, EU Method B.6	ECHA ECHA
CMR:	No mutagenic effects (Renewable hydrocarbons, C15-C16)	OECD 471, 474	ECHA

Information on likely routes of exposure: Inhalation, skin and ingestion.

Symptoms:

Inhalation: Inhalation of vapours is unlikely during normal use.

Skin: The product is intended to be in contact with the skin. No discomfort is expected during normal use. In case of skin discomfort: Seek medical advice. Possibly irritation with redness.

Eyes: May cause irritation with redness.

Ingestion: May irritate the mucous membranes. May cause symptoms like nausea, vomiting, diarrhoea.

Chronic effects: None known

SECTION 12: Ecological information

12.1. Toxicity:

Aquatic	Data	Test (Media)	Data source
Fish	LC ₅₀ (Fish, 96h) > 0.156 mg/l (Aluminium chloride hexahydrate) LL ₅₀ (Scophthalmus maximus, 96h) = >1028 mg/l (Renewable hydrocarbons, C15-C16)	OECD 201 Semi-static (SW)	ECHA ECHA
Daphnia	EC ₅₀ (Daphnia magna, 48h) > 0.214-1.26 mg/l (Aluminium chloride hexahydrate) LL ₅₀ (Acartia tons, 48h) = 64742 mg/l (Renewable hydrocarbons, 15-C16)	OECD 202 Read-across (SW)	ECHA ECHA
Algae	EL ₅₀ (skeletonema costatum, 72h) = >3200 g/l (Renewable hydrocarbons, C15-C16)	ISO 10253 (SW)	ECHA

12.2. Persistence and degradability:

Renewable hydrocarbons, C15-C16 are readily biodegradable (80%, 28d, OECD 306).

12.3. Bioaccumulative potential:

No applicable/available data

12.4. Mobility in soil:

No applicable/available data

12.5. Results of PBT and vPvB assessment:

No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

12.6. Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Occupational: The product is not to be considered as hazardous waste. Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

EWC-code:

20 03 99

15 02 03 (Paper towel, inert material etc. contaminated with the mixture)

SECTION 14: Transport information

Not dangerous goods (ADR/RID).

14.1 UN-no.: None

14.2 UN proper shipping name: None

14.3 Transport hazard class(es): None

14.4 Packing group: None

14.5 Environmental hazards: No.

14.6 Special precautions for user: None.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not relevant.

SECTION 15: Regulatory information

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

No special requirements for private use, but it must be labelled according to the legislation on cosmetic products (1223/2009).

Occupational use: None

15.2. Chemical Safety Assessment:

No CSR. Renewable hydrocarbons, C15-C16, branched alkanes are REACH registered, but there are no available DNEL/PNEC for the substance.

SECTION 16: Other information

Hazard statements mentioned in section 3:

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Abbreviations:

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC₅₀ = Effect Concentration 50 %

ECHA diss. = European Chemical Agency Registration dossier

FW = Fresh Water

LC₅₀ = Lethal Concentration 50 %

LD₅₀ = Lethal Dose 50 %

SW = Salt water

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

Literature:

ECHA = European Chemical Agency Registration dossier

IUCLID = International Uniform Chemical Database Information

RTECS = Register of Toxic Effects of Chemical Substances.

Training advice:

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Additional information:

This mixture is a cosmetic product and therefore there is no SDS requirement, however this SDS has been prepared anyway as a service to our customers.

Changes since the previous edition:

Not relevant

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