

According to EC-Regulation 2015/830

# SAFETY DATA SHEET

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

### 1.1. Product identifier

#### Trade name

Salmiakk

#### Product no.

11029-11030

#### REACH registration number

Not applicable

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

#### Relevant identified uses of the substance or mixture

Cleaning agent

#### Uses advised against

The full text of any mentioned and identified use categories are given in section 16

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

#### Company and address

Premiere Produkter  
Austbøsletta 6  
4085 Hundvåg  
Norge

#### E-mail

post@premiere-produkter.no

#### SDS date

2017-09-25

#### SDS Version

2.0

### 1.4. Emergency telephone number

Contact The National Poison Information Service +47 22 59 13 00

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335

See full text of H-phrases in section 2.2.

### 2.2. Label elements

#### Hazard pictogram(s)



#### Signal word

Danger

#### Hazard statement(s)

Causes severe skin burns and eye damage. (H314) May cause respiratory irritation. (H335)

#### Safety statement(s)

**General** If medical advice is needed, have product container or label at hand. (P101).

Keep out of reach of children. (P102).

**Prevention** Do not breathe mist/ vapours/ spray. (P260).

**Response** Call a POISON CENTER/doctor if you feel unwell. (P312). IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. (P301+P330+P331). IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. (P303+P361+P353). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).

**Storage** Store locked up. (P405).

**Disposal** Dispose of contents/container to an approved waste disposal plant. (P501).

#### Identity of the substances primarily responsible for the major health hazards

ammonia, aqueous solution

### 2.3. Other hazards

#### Additional labelling

Tactile warning. If this product is sold in retail, it must be delivered with child-resistant fastening.

According to EC-Regulation 2015/830

## VOC

0%

### SECTION 3: Composition/information on ingredients

#### 3.1/3.2. Substances/Mixtures

NAME: ammonia, aqueous solution  
IDENTIFICATION NOS.: CAS-no: 1336-21-6 EC-no: 215-647-6 REACH-no: 01-2119488876-14 Index-no: 007-001-01-2  
CONTENT: 10 - <15%  
CLP CLASSIFICATION: STOT SE 3, Skin Corr. 1B, Aquatic Acute 1, H314, H335, H400 (M-acute = 1)  
(\* See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

Eye Cat. 1 Sum =  $\text{Sum}(\text{Ci}/\text{S}(\text{G})\text{CLi}) = 2.9864 - 4.4796$ , Skin Cat. 2 Sum =  $\text{Sum}(\text{Ci}/\text{S}(\text{G})\text{CLi}) = 8.96 - 13.44$ , N acute (CAT 1) Sum =  $\text{Sum}(\text{Ci}/\text{M}(\text{acute})^{\text{j} \cdot 25}) = 0.3584 - 0.5376$ .

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). Contact a doctor if in doubt about an injured person's condition or if symptoms persist. Never give an unconscious person anything to drink.

##### Inhalation

Place the injured person in fresh air. Make sure to watch the him/ her. Prevent chock by keeping the injured person warm and calm. If the person stops breathing, give mouth-to-mouth. If unconscious, put the injured person into the natal-position. Call for an ambulance.

##### Skin contact

Remove contaminated clothes and shoes at once. Then immediately wash exposed skin with soap and water.

##### Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

##### Ingestion

Provide plenty of water for the person to drink and stay with him/her. Seek medical advice immediately. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

##### Burns

Not applicable

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

This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects. This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

##### Information to medics

Bring this safety data sheet.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist.

#### 5.2. Special hazards arising from the substance or mixture

If the product is exposed for high temperatures, as in case of fire, dangerous catabolic substances are produced. These are: Nitrogen oxides. Fire will result in dense black smoke which may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

#### 5.3. Advice for firefighters

No specific requirements.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapours from spilled material. Avoid direct contact with spilled substances.

#### 6.2. Environmental precautions

In order to prevent outlet to the surroundings, put up waste collecting trays/basins. Avoid spreading to lakes, streams, sewers etc. In case of an outlet, to the surroundings, contact the local environmental government.

#### 6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

According to EC-Regulation 2015/830

#### 6.4. Reference to other sections

See section 13 in regard of handling of waste. See section 8 for protective measures.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

See section 8 for information on personal protection. Avoid direct contact with the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Always store in original container. Reseal opened containers carefully and keep upright to prevent leakage.

#### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### OEL

Ammonia, Long-term exposure limit (8-hour TWA reference period): 25 ppm | 18 mg/m<sup>3</sup>, Short-term exposure limit (15-minute reference period): 35 ppm | 25 mg/m<sup>3</sup>

##### DNEL / PNEC

DNEL (ammonia, aqueous solution): 47,6mg/m<sup>3</sup>, Exposure: Inhalation, Duration of Exposure: Short term – Systemic effects - Workers

DNEL (ammonia, aqueous solution): 23,8mg/m<sup>3</sup>, Exposure: Dermal, Duration of Exposure: Short term – Systemic effects - General population

DNEL (ammonia, aqueous solution): 2,8mg/m<sup>3</sup>, Exposure: Dermal, Duration of Exposure: Long term – Local effects - General population

DNEL (ammonia, aqueous solution): 7,2mg/m<sup>3</sup>, Exposure: Dermal, Duration of Exposure: Short term – Local effects - General population

DNEL (ammonia, aqueous solution): 14mg/m<sup>3</sup>, Exposure: Inhalation, Duration of Exposure: Long term – Local effects - Workers

DNEL (ammonia, aqueous solution): 68mg/kg, Exposure: Dermal, Duration of Exposure: Long term – Systemic effects - Workers

DNEL (ammonia, aqueous solution): 6,8mg/kg, Exposure: Oral, Duration of Exposure: Long term – Systemic effects - General population

DNEL (ammonia, aqueous solution): 36mg/m<sup>3</sup>, Exposure: Inhalation, Duration of Exposure: Short term – Local effects - Workers

DNEL (ammonia, aqueous solution): 6,8mg/kg, Exposure: Oral, Duration of Exposure: Long term – Systemic effects - General population

PNEC (ammonia, aqueous solution): 0,0011mg/l, Exposure: Freshwater

PNEC (ammonia, aqueous solution): 0,0011mg/l, Exposure: Marine water

PNEC (ammonia, aqueous solution): 0,089mg/l, Exposure: Intermittent release

#### 8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

##### General recommendations

Observe general occupational hygiene standards.

##### Exposure scenarios

There is no exposure scenario to this safety data sheet.

##### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

##### Appropriate technical measures

Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

##### Hygiene measures

At the end of the work, wash all exposed areas of the body, thoroughly. Always wash hands, forearms and face.

##### Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

#### Individual protection measures, such as personal protective equipment



##### Generally

Use only CE marked protective equipment.

##### Respiratory Equipment

Recommended: K. Green

##### Skin protection

Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.

##### Hand protection

Recommended: Butyl rubber. Breakthrough time: > 480 minutes (Class 6)

##### Eye protection

Wear safety glasses with side shields.

According to EC-Regulation 2015/830

| <b>SECTION 9: Physical and chemical properties</b>                |                    |
|---|--------------------|
| <b>9.1. Information on basic physical and chemical properties</b> |                    |
| Form  | Liquid             |
| Colour  | Clear              |
| Odour   | Characteristic     |
| Odour threshold (ppm)   | No data available. |
| pH  | 12                 |
| Viscosity (40°C)  | No data available. |
| Density (g/cm <sup>3</sup> )                                      | 0.907              |
| Melting point (°C)  | -55                |
| Boiling point (°C)  | 38                 |
| Vapour pressure   | No data available. |
| Decomposition temperature (°C)                                    | No data available. |
| Evaporation rate (n-butylacetate = 100)                           | No data available. |
| Flash point (°C)  | No data available. |
| Ignition (°C)   | No data available. |
| Auto flammability (°C)  | No data available. |
| Explosion limits (% v/v)  | 15 - 30 v/v%       |
| Explosive properties  | No data available. |
| Solubility in water   | Soluble            |
| n-octanol/water coefficient                                       | No data available. |
| <b>9.2. Other information</b>                                     |                    |
| Solubility in fat (g/L)   | No data available. |

| <b>SECTION 10: Stability and reactivity</b>  |  |
|--|--|
| <b>10.1. Reactivity</b>  |  |
| No data available  |  |
| <b>10.2. Chemical stability</b>  |  |
| The product is stable under the conditions, noted in the section "Handling and storage". |  |
| <b>10.3. Possibility of hazardous reactions</b>  |  |
| Nothing special  |  |
| <b>10.4. Conditions to avoid</b>   |  |
| Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.  |  |
| <b>10.5. Incompatible materials</b>  |  |
| Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.         |  |
| <b>10.6. Hazardous decomposition products</b>  |  |
| The product is not degraded when used as specified in section 1.                         |  |

| <b>SECTION 11: Toxicological information</b>   |         |      |                   |                              |  |
|--|---------|------|-------------------|------------------------------|--|
| <b>11.1. Information on toxicological effects</b>  |         |      |                   |                              |  |
| <b>Acute toxicity</b>  |         |      |                   |                              |  |
| Substance  | Species | Test | Route of exposure | Result                       |  |
| ammonia, aqueous solution  | Rat     | LD50 | Oral              | 3500mg/kg                    |  |
| ammonia, aqueous solution  | Rat     | LC50 | Inhalation        | 28130mg/m <sup>3</sup> 10min |  |
| ammonia, aqueous solution  | Rat     | LC50 | Inhalation        | 4800ppm/h                    |  |
| <b>Skin corrosion/irritation</b>   |         |      |                   |                              |  |
| Causes severe skin burns and eye damage.   |         |      |                   |                              |  |
| <b>Serious eye damage/irritation</b>   |         |      |                   |                              |  |
| Causes serious eye damage.   |         |      |                   |                              |  |
| <b>Respiratory or skin sensitisation</b>   |         |      |                   |                              |  |
| No data available.   |         |      |                   |                              |  |
| <b>Germ cell mutagenicity</b>  |         |      |                   |                              |  |
| No data available.   |         |      |                   |                              |  |
| <b>Carcinogenicity</b>   |         |      |                   |                              |  |
| No data available.   |         |      |                   |                              |  |
| <b>Reproductive toxicity</b>   |         |      |                   |                              |  |
| No data available.   |         |      |                   |                              |  |
| <b>STOT-single exposure</b>  |         |      |                   |                              |  |
| May cause respiratory irritation.  |         |      |                   |                              |  |
| <b>STOT-repeated exposure</b>  |         |      |                   |                              |  |
| No data available.   |         |      |                   |                              |  |
| <b>Aspiration hazard</b>   |         |      |                   |                              |  |
| No data available.   |         |      |                   |                              |  |
| <b>Long term effects</b>   |         |      |                   |                              |  |
| This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, - irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects. This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure. |         |      |                   |                              |  |

According to EC-Regulation 2015/830

| <b>SECTION 12: Ecological information</b>   |                                  |                   |                   |               |
|---|----------------------------------|-------------------|-------------------|---------------|
| <b>12.1. Toxicity</b>   |                                  |                   |                   |               |
| <b>Substance</b>  | <b>Species</b>                   | <b>Test</b>       | <b>Duration</b>   | <b>Result</b> |
| ammonia, aqueous solution   | Daphnia                          | EC50              | 48h               | 101mg/l       |
| ammonia, aqueous solution   | Fish                             | LC50              | 96h               | 0,89mg/l      |
| ammonia, aqueous solution   | Algae                            | EC50              | 18d               | 7200mg/l      |
| <b>12.2. Persistence and degradability</b>  |                                  |                   |                   |               |
| <b>Substance</b>  | <b>Biodegradability</b>          | <b>Test</b>       | <b>Result</b>     |               |
| ammonia, aqueous solution   | Yes                              | No data available | No data available |               |
| <b>12.3. Bioaccumulative potential</b>  |                                  |                   |                   |               |
| <b>Substance</b>  | <b>Potential bioaccumulation</b> | <b>LogPow</b>     | <b>BCF</b>        |               |
| ammonia, aqueous solution   | No                               | 0.23              | No data available |               |
| <b>12.4. Mobility in soil</b>   |                                  |                   |                   |               |
| ammonia, aqueous solution: Log Koc= 0.260537, Calculated from LogPow (High mobility potential.).                          |                                  |                   |                   |               |
| <b>12.5. Results of PBT and vPvB assessment</b>   |                                  |                   |                   |               |
| This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB. |                                  |                   |                   |               |
| <b>12.6. Other adverse effects</b>  |                                  |                   |                   |               |
| This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.   |                                  |                   |                   |               |

| <b>SECTION 13: Disposal considerations</b>                           |
|--|
| <b>13.1. Waste treatment methods</b>                                 |
| Product is covered by the regulations on hazardous waste.            |
| <b>Waste</b>   |
| <b>EWC code</b>  |
| -  |
| <b>Contaminated packing</b>  |
| Contaminated packaging must be disposed of similarly to the product. |

| <b>SECTION 14: Transport information</b>   |  |
|--|--|
| <b>14.1 – 14.4</b>   |  |
| This product is within scope of the regulations of transport of dangerous goods. |  |
| <b>ADR/RID</b>   |  |
| <b>14.1. UN number</b>   | 2672   |
| <b>14.2. UN proper shipping name</b>   | AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15 °C in water, with more than 10% but not more than 35% ammonia |
| <b>14.3. Transport hazard class(es)</b>  | 8  |
| <b>14.4. Packing group</b>   | III  |
| <b>Notes</b>   | -  |
| <b>Tunnel restriction code</b>   | -  |
| <b>IMDG</b>  |  |
| <b>UN-no.</b>  | 2672   |
| <b>Proper Shipping Name</b>  | AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15 °C in water, with more than 10% but not more than 35% ammonia |
| <b>Class</b>   | 8  |
| <b>PG*</b>   | III  |
| <b>EmS</b>   | F-A,S-B  |
| <b>MP**</b>  | -  |
| <b>Hazardous constituent</b>   | -  |
| <b>IATA/ICAO</b>   |  |
| <b>UN-no.</b>  | 2672   |
| <b>Proper Shipping Name</b>  | AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15 °C in water, with more than 10% but not more than 35% ammonia |
| <b>Class</b>   | 8  |
| <b>PG*</b>   | III  |
| <b>14.5. Environmental hazards</b>   |  |
| -  |  |
| <b>14.6. Special precautions for user</b>  |  |
| -  |  |
| <b>14.7. Transport in bulk according to Annex II of Marpol and the IBC Code</b>  |  |
| No data available  |  |
| (*) Packing group (**) Marine pollutant  |  |

| <b>SECTION 15: Regulatory information</b>   |
|---|
| <b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>   |
| <b>Restrictions for application</b>   |
| People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work. |
| <b>Demands for specific education</b>   |
| -   |
| <b>Additional information</b>   |
| -   |

According to EC-Regulation 2015/830

**Sources**

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.  
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).  
EC regulation 1907/2006 (REACH).

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

**Full text of H-phrases as mentioned in section 3**

H314 - Causes severe skin burns and eye damage.  
H335 - May cause respiratory irritation.  
H400 - Very toxic to aquatic life.

**The full text of identified uses as mentioned in section 1**

**Additional label elements**

**Other**

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on: The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP). It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification. The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products. A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

**The safety data sheet is validated by**

Cecilia Evaldsson

**Date of last essential change (First cipher in SDS version)**

2010-06-29

**Date of last minor change (Last cipher in SDS version)**

2017-09-25

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