

## SAFETY DATA SHEET



## GROVRENT UNIVERSAL

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	30.11.2016
Revision date	28.03.2023

### 1.1. Product identifier

Product name	GROVRENT UNIVERSAL
UFI	J6A2-00DH-D00M-XJM8
Article no.	TP221, TP225
Extended SDS with ES incorporated	Yes

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

Use of the substance / mixture	Floor cleaner. Semi-Automatic process (AISE-P401) Floor cleaner. Manual process (AISE-P403)
Main intended use	PC-CLN-13.1 Floor cleaning products
Relevant identified uses	SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC35 Washing and cleaning products (including solvent based products) PROC8a Transfer of substance or mixture (charging and discharging) at nondedicated facilities PROC10 Roller application or brushing ERC8A Wide dispersive indoor use of processing aids in open systems
Industrial use	No
Professional use	Yes
Consumer use	No

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

Company name	Tingstad Papper AB
Office address	Marieholmmsgatan 1-3
Postal address	Box 13013

Postcode	S-415 02
City	Göteborg
Country	Sweden
Telephone number	031-707 20 00
Fax	031-25 18 21
Email	<a href="mailto:kontakt@tingstad.se">kontakt@tingstad.se</a>
Website	<a href="http://www.tingstad.com">www.tingstad.com</a>

## 1.4. Emergency telephone number

Emergency telephone	Telephone number: Tel: 112 Description: SOS Alarm
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Dam. 1; H318
CLP classification, comments	• The full text for all hazard statements is displayed in section 16.
Substance / mixture hazardous properties	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (3.2.3.3.4.2) For mixtures containing strong acids or bases the pH shall be used as a classification criterion (see paragraph 3.2.3.1.2) since pH is a better indicator of corrosion than the concentration limits of Table 3.2.3.
Additional information on classification	Causes serious eye damage – Extreme pH: >11,5.

### 2.2. Label elements

#### Hazard pictograms (CLP)



Composition on the label	Sodium metasilicate < 1 %
Signal word	Danger
Hazard statements	H318 Causes serious eye damage.
Precautionary statements	P102 Keep out of reach of children. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER / doctor /
Tactile warnings	No
Child-protection	No

### 2.3. Other hazards

PBT / vPvB	This product does not contain any PBT or vPvB substances.
Health effect	The product does not contain endocrine substances in accordance with EU 2017/2100, Annex B.
Environmental effects	The product does not contain endocrine substances in accordance with EU 2017/2100, Annex B.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Composition type	Mixture			
Formulation type	SL Soluble concentrate			
Substance	Identification	Classification	Contents	Notes
Alcohol ethoxylate	CAS No.: 68439-46-3 EC No.: 931-514-1	Eye Irrit. 2; H319 Route of exposure: Oral Value : > 2000 mg/kg bw	1 ≤ 5 %	1 Wetting agent
Alcohols, C10-16, ethoxylated propoxylated	CAS No.: 69227-22-1 REACH Reg. No.: Not relevant (polymer)	Eye Irrit. 2; H319 Route of exposure: Oral Value : > 5000 mg/kg bw	1 ≤ 5 %	1 Wetting agent
Sodium metasilicate	CAS No.: 10213-79-3 EC No.: 229-912-9 REACH Reg. No.: 01-2119449811-37-0000	Met. Corr. 1; H290 Skin Corr. 1B; H314 STOT SE 3; H335 Route of exposure: Oral Value : 1152 - 1349 mg/kg bw	< 1 %	1,6 pH adjuster

<sup>1</sup>Substance classified with a health or environmental hazard

<sup>6</sup>Substance listed as additional information

Description of the mixture	Content according to (EC) nr 648/2004 on detergents. Non-ionic surfactants 5-15 %, Polycarboxylates <5 %, Amphoteric surfactants <5 %, Perfume <1 %, ...
Substance comments	The full text for all hazard statements is displayed in section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	SOS Alarm: Telephone: 112 (In case of emergency poisoning, 24 h service).
Inhalation	Fresh air.
Skin contact	Wash skin with soap and water.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth with water. Drink a few glasses of water or milk. Do NOT induce vomiting. Get medical attention if any discomfort continues. Contact physician if larger quantity has been consumed.

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

Acute symptoms and effects	IF IN EYES: Splashes in eyes may cause strong pain. Causes serious eye damage:
Delayed symptoms and effects	IF IN EYES: Splashes in eyes may cause strong pain. Causes serious eye damage: IF ON SKIN: Prolonged contact may cause redness, irritation and cracking.

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

Other information	Notes to the physician: Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Improper extinguishing media	Avoid water in straight hose stream; will scatter and spread fire.

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

Fire and explosion hazards	This product is not flammable.
Hazardous combustion products	In case of fire and high temperatures, the water in the product may evaporate. This can result in the release of hazardous gases. Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Nitrous gases (NO <sub>x</sub> ).

### 5.3. Advice for firefighters

Personal protective equipment	Use personal protective equipment as required.
Other information	Not classified as flammable under current regulations.

## SECTION 6: Accidental release measures

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

Personal protection measures	For personal protection, see section 8.
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### 6.2. Environmental precautions

Environmental precautionary measures	Prevent discharge of larger quantity to drain. Contain spillages with sand, earth or any suitable absorbent material.
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### 6.3. Methods and material for containment and cleaning up

Clean up	Small amounts can be flushed with water. Collect greater amounts of waste and leave it for reuse.
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### 6.4. Reference to other sections

Other instructions	See section 1 (Safety Data Sheet) - Emergency telephone number. See section 8 (Safety Data Sheet) - Exposure controls/personal protection. See section 13 (Safety Data Sheet) - Disposal considerations.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Handling	Follow instructions and ensure correct dilution of this product before use. Avoid eating, drinking and smoking when using the product.
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## 7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in closed original container at temperatures between 5°C and 30°C. Keep out of reach of children.
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## 7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.
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## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Control parameters comments	No limit values known.
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### DNEL / PNEC

Substance	Sodium metasilicate
DNEL	<p><b>Group:</b> Professional  <b>Route of exposure:</b> Lång sikt (upprepad) - Dermal - Systemisk effekt  <b>Value:</b> 1,49 mg/kg bw/day</p> <p><b>Group:</b> Professional  <b>Route of exposure:</b> Lång sikt (upprepad) - Inandning - Lokal effekt  <b>Value:</b> 6,22 mg/m<sup>3</sup></p>
PNEC	<p><b>Route of exposure:</b> Sediment  <b>Value:</b> Saknas</p> <p><b>Route of exposure:</b> Sewage treatment plant STP  <b>Value:</b> 1000 mg/l</p> <p><b>Route of exposure:</b> Freshwater  <b>Value:</b> 7,5 mg/l</p> <p><b>Route of exposure:</b> Saltwater  <b>Value:</b> 1 mg/l</p> <p><b>Route of exposure:</b> Soil  <b>Value:</b> Saknas</p>

### 8.2. Exposure controls

#### Eye / face protection

Eye protection, comments	Wear safety goggles /eye protection when splashing is a risk..
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#### Hand protection

Skin- / hand protection, short term contact	Normally not required.
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Skin- / hand protection, long term contact	Protective gloves are recommended for prolonged or repeated skin contact.
Suitable gloves type	Polyvinyl chloride (PVC). Nitrile. Neoprene.
Unsuitable materials	Polyvinyl alcohol (PVA).
Breakthrough time	Value: > 360 minute(s) Comments: PVC - 0,45 mm  Value: > 360 minute(s) Comments: Nitril - 0,28 mm  Value: > 480 minute(s) Comments: Neoprene - 0,46 mm
Hand protection, comments	The listed glove materials are proposed after review of the raw materials and review of various known guides for protective gloves.

## Skin protection

Skin protection remark	Normally not required.
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## Respiratory protection

Respiratory protection, comments	Normally not required.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	Colourless to pale yellow.
Colour intensity	Translucent.
Odour	Perfume.
Odour limit	Comments: Data lacking. Reason for waiving data: Cannot be determined.
pH	Status: In delivery state Value: ~ 11,5 Temperature: 20 °C  Status: In aqueous solution Value: ~ 9,9 Test reference: 0,2 % Temperature: 20 °C
Freezing point	Value: ~ 0 °C
Boiling point / boiling range	Value: ~ 100 °C
Flash point	Comments: Not determined. Water-based product. Reason for waiving data: Cannot be determined.
Evaporation rate	Comments: Not determined. Reason for waiving data: Cannot be determined.
Flammability	Not relevant.

Vapour pressure	Value: < 3 kPa Temperature: 20 °C
Vapour density	Comments: Not determined. Reason for waiving data: Cannot be determined.
Relative density	Value: ~ 1,02 Temperature: 20 °C
Solubility	Comments: Soluble in water.
Partition coefficient: n-octanol/ water	Value: < 3 Comments: Log Pow (Estimated value with starting point from raw materials)
Auto-ignition temperature	Comments: Ej självantändlig.
Decomposition temperature	Comments: Not determined. Reason for waiving data: Cannot be determined.
Viscosity	Value: < 20 mm <sup>2</sup> /s Method: ISO 2431, 4 mm Comments: Thin fluid Temperature: 20 °C Type: Kinematic
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

## 9.2. Other information

### Physical hazards

Air reactive	Not relevant.
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### 9.2.2. Other safety characteristics

Miscibility	Fully miscible with water.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	Stable under normal temperature conditions and recommended use.
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### 10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Do not mix with other detergents or chemicals.
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### 10.4. Conditions to avoid

Conditions to avoid	Do not mix with other detergents or chemicals. Avoid contact with acids and oxidising substances.
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## 10.5. Incompatible materials

Materials to avoid	No information.
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## 10.6. Hazardous decomposition products

Hazardous decomposition products	In case of fire, toxic gases (CO, CO <sub>2</sub> , NO <sub>x</sub> ) may be formed.
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## Other information

Other information	Do not mix with other detergents or chemicals.
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## SECTION 11: Toxicological information

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

#### Other information regarding health hazards

Acute toxicity, mixture estimate	Dose: ATEmix calculated Route of exposure: Oral Value: > 2000 mg/kg bw
Assessment of acute toxicity, classification	Not classified based on available information.
Assessment of skin corrosion / irritation, classification	Not classified based on available information.
Assessment of eye damage or irritation, classification	Eye Dam 1. H318 Causes serious eye damage.
Assessment of respiratory sensitisation, classification	Not classified based on available information.
Assessment of skin sensitisation, classification	Not classified based on available information.
Assessment of germ cell mutagenicity, classification	Not classified based on available information.
Assessment of carcinogenicity, classification	Not classified based on available information.
Assessment of reproductive toxicity, classification	Not classified based on available information.
Assessment of specific target organ toxicity - single exposure, classification	Not classified based on available information.
Assessment of specific target organ toxicity - repeated exposure, classification	Not classified based on available information.
Assessment of aspiration hazard, classification	Not classified based on available information.

## Symptoms of exposure

In case of ingestion	Irritating. May cause nausea, stomach pain and vomiting.
In case of skin contact	Prolonged or repeated contact may cause irritation.



In case of inhalation	The product is not deemed to pose a risk for inhalation under normal use.
In case of eye contact	Splashes in eyes may cause strong pain. Causes serious eye damage:

## 11.2 Other information

Endocrine disruption	The product does not contain endocrine substances in accordance with EU 2017/2100, Annex B.
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## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Alcohol ethoxylate
Aquatic toxicity, fish	<b>Value:</b> > 1 - 10 mg/l <b>Test duration:</b> 96 h <b>Species:</b> Oncorhynchus mykiss <b>Method:</b> LC50
Substance	Alcohols, C10-16, ethoxylated propoxylated
Aquatic toxicity, fish	<b>Toxicity type:</b> Acute <b>Value:</b> > 1 -10 mg/l <b>Effect dose concentration:</b> LC50 <b>Exposure time:</b> 96 hour(s) <b>Species:</b> Oncorhynchus mykiss <b>Method:</b> OECD 203
Substance	Sodium metasilicate
Aquatic toxicity, fish	<b>Value:</b> 210 mg/l <b>Test duration:</b> 96 h <b>Species:</b> Brachydanio rerio <b>Method:</b> LC50
Substance	Alcohol ethoxylate
Aquatic toxicity, algae	<b>Value:</b> > 1 - 10 mg/l <b>Test duration:</b> 72 h <b>Species:</b> Skeletonema costatum <b>Method:</b> EC50
Substance	Alcohols, C10-16, ethoxylated propoxylated
Aquatic toxicity, algae	<b>Toxicity type:</b> Acute <b>Value:</b> > 1 -10 mg/l <b>Effect dose concentration:</b> EC50 <b>Exposure time:</b> 72 hour(s) <b>Species:</b> Skeletonema costatum <b>Method:</b> OECD 201
Substance	Alcohol ethoxylate
Aquatic toxicity, crustacean	<b>Value:</b> > 1 - 10 mg/l <b>Test duration:</b> 48 h <b>Species:</b> Daphnia magna <b>Method:</b> EC50
Substance	Alcohols, C10-16, ethoxylated propoxylated

Aquatic toxicity, crustacean	<b>Toxicity type:</b> Acute <b>Value:</b> > 1 - 10 mg/l <b>Effect dose concentration:</b> EC50 <b>Exposure time:</b> 48 hour(s) <b>Species:</b> Daphnia magna <b>Evaluation:</b> OECD 202
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Substance	Sodium metasilicate
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Aquatic toxicity, crustacean	<b>Value:</b> 1700 mg/kg <b>Test duration:</b> 48 h <b>Species:</b> Daphnia magna <b>Method:</b> EC50
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## 12.2. Persistence and degradability

Persistence and degradability description/evaluation	Surfactants complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
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Substance	Alcohol ethoxylate
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Biodegradability	<b>Value:</b> > 60 % <b>Method:</b> OECD test 301D
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Substance	Alcohols, C10-16, ethoxylated propoxylated
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Biodegradability	<b>Value:</b> > 60 % <b>Method:</b> OECD 301 B
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## 12.3. Bioaccumulative potential

Bioaccumulation, comments	Bioaccumulation: Is not expected to be bioaccumulable.
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## 12.4. Mobility in soil

Mobility	The product is water soluble and may spread in water systems.
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## 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB substances.
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## 12.6. Endocrine disrupting properties

Endocrine disrupting properties	The product does not contain endocrine substances in accordance with EU 2017/2100, Annex B.
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## 12.7. Other adverse effects

Additional ecological information	The product is not classified as dangerous for the environment. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Collect and reuse the product if possible. Where reuse is not possible, the waste is handled and disposed of in accordance with local regulations. Residues and used product that cannot be reused shall be treated as hazardous waste.
Appropriate methods of disposal for the contaminated packaging	Empty, cleaned packaging should be disposed of for recycling. Cartons/ boxes should be recycled as paper and cardboard packaging.
EWC waste code	EWC waste code: 200129 detergents containing dangerous substances Classified as hazardous waste: Yes
EWL packing	EWC waste code: 150102 plasticpackaging Classified as hazardous waste: No  EWC waste code: 150101 paper and cardboard packaging Classified as hazardous waste: No
Other information	A product's waste code depends on the area of activity and how the product is used. A suggestion for a waste code is set out in this safety data sheet. However, it is always the responsibility of the user to make a final assessment/ classification of the waste. Local regulations and EU regulations (see section 15) must be complied with in waste management. Consult local authorities when handling waste.

## SECTION 14: Transport information

Dangerous goods No

### 14.1. UN number

Comments Not relevant.

### 14.2. UN proper shipping name

Comments Not relevant.

### 14.3. Transport hazard class(es)

Comments Not relevant.

### 14.4. Packing group

Comments Not relevant.

### 14.5. Environmental hazards

ADR/RID/ADN No recommendation given.

### 14.6. Special precautions for user

Special safety precautions for user Not relevant.

### 14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk (yes/no) No

## SECTION 15: Regulatory information

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

Biocides	No
Nanomaterial	No
Legislation and regulations	REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on detergents. EC 1907/2006 - REACH REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing. SFS 2020:614 - Avfallsförordningen. (Swedish Work Environment Authority) AFS 2018:1 - Hygieniska gränsvärden. (Swedish Work Environment Authority)

## 15.2. Chemical safety assessment

Substance	Alcohol ethoxylate
Chemical safety assessment performed	No
Substance	Alcohols, C10-16, ethoxylated propoxylated
Chemical safety assessment performed	No
Substance	Sodium metasilicate
Chemical safety assessment performed	Yes
Exposure scenarios for mixture	Yes
Exposure scenario comments	SUMI's are attached to this safety data sheet. More information about SUMI: s see point 16.

## SECTION 16: Other information

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
List of relevant H-phrases (Section 2 and 3)	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
Information added, deleted or revised	Change to Sections: 1, 6.4, 16,
Last update date	28.03.2023
Version	7
Prepared by	Tingstad Papper AB, Kvalité och Miljö, Telephone: +46 31 707 20 00, E-mail: kontakt@tingstad.se.



## Comments

SUMI - Safe Use of Mixtures Information - The "Safe Use of Mixtures Information-SUMI" (previously called "Generic Exposure Information from Substances – GEIS"), is a tool which offers companies supplying to the industrial and professional cleaning industry a standardized way to communicate Operational Conditions and Risk Management Measures (OC/RMM). These conditions in the SUMI refer to a typical use of the product and they depend on the application rather than on its chemical composition. The format and the language of the SUMIs are intentionally simple and clear. The target audience is people who use these products and may not have deep chemical knowledge and are not familiar with the REACH jargon used in Exposure Scenarios (ES). More information <https://www.aise.eu/our-activities/regulatory-context/reach/safe-use-information-for-end-users.aspx>

## Contents or index of annexed ES

1, AISE\_SUMI\_PW\_8a\_2.pdf 2, AISE\_SUMI\_PW\_10\_1.pdf

## Exposure scenario

 [AISE\\_SUMI\\_PW\\_8a\\_2.pdf](#)  
 [AISE\\_SUMI\\_PW\\_10\\_1.pdf](#)