

**Swanline ALKALINE**

Date 20.1.2017

Previous date: 27.4.2015

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier****1.1.1 Commercial Product Name**

Swanline ALKALINE

**1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Recommended use**

Washing agent for vehicle.

**1.3 Details of the supplier of the safety data sheet****1.3.1 Supplier**

Tammermatic Oy

**Street address**

Tesomanvaltatie 28

**Postcode and post office**

33300 Tampere

**P.O.Box**

PB 206

**Postcode and post office**

33101 Tampere

**Telephone**

+358-20 1373 403

**Telefax**

+358-20 1373 409

**Business ID**

1043549-7

**Email**

service@tammermatic.com

**1.4 Emergency telephone number****1.4.1 Telephone number, name and address**

Poison centrum in Finland +358-9-4711

Local emergency phone 112

## 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

Risk of serious damage to eyes, irritating to skin.

**1272/2008 (CLP)**

Skin Irrit. 2, H315

Eye Dam. 1, H318

**2.2 Label elements****1272/2008 (CLP)**

GHS05

Signal word

**Danger****Hazard Statements**

H315

Causes skin irritation.

H318

Causes serious eye damage.

**Precautionary Statements**

P101

If medical advice is needed, have product container or label at hand.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

**2.3 Other hazards**

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous components**

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<b>CAS/EC and Reg. number</b>	<b>Chemical name of the substance</b>	<b>Concentration Classification</b>	
54549-24-5 01-2119492545-29	Hexyl glucocide	3-7 %	Eye Dam. 1; H318
112-34-5 01-2119475104-44	C10 Alcohol ethoxylate	3-7 %	Eye Dam. 1; H318
1310-58-3 01-2119487136-33	2-(2-Butoxyethoxy)ethanol	3-5 %	Eye Irrit. 2; H319
1310-73-2 01-2119457892-27	Potassium hydroxide	1,0-1,85 %	Acute Tox. 4, Skin Corr. 1A; H302 H314
	Sodium hydroxide	< 0,15 %	Skin Corr. 1A; H314

**3.3 Other information**

does not exist

**4. FIRST AID MEASURES****4.1 Description of first aid measures****4.1.2 Inhalation**

Fresh air, rest.

**4.1.3 Skin contact**

Remove contaminated clothing and rinse the skin with plenty of water.

**4.1.4 Eye contact**

Rinse under running water 10-15 min. Seek medical help immediately and keep rinsing.

**4.1.5 Ingestion**

Wash out mouth thoroughly with water and give plenty of water or milk to drink. Seek medical help. Do not induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed****4.3 Indication of immediate medical attention and special treatment needed**

nursing according to symptoms

**5. FIREFIGHTING MEASURES****5.1 Extinguishing media****5.1.1 Suitable extinguishing media**

Product does not ignite. Extinguishing means according to the environment.

**5.1.2 Extinguishing media which must not be used for safety reasons**

not known

**5.2 Special hazards arising from the substance or mixture**

not known

**5.3 Advice for firefighters**

In the case of large fire use full protective clothing and self-contained breathing apparatus with over pressure.

**5.4 Specific methods**

not known

**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Use safety goggles and safety gloves (e.g. butyle, nitrile or laminated PE/EVOH). Wear appropriate protective clothing if necessary .

**6.2 Environmental precautions**

Do not allow to enter drinking water supplies, waste water or soil without diluting with plenty of water.

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**6.3 Methods and materials for containment and cleaning up**

Absorb on an inert absorbent and transfer carefully to sealed container. Arrange for removal by disposal company. Rinse residues with plenty of water. Use protective equipment mentioned in 6.1. Take into account the possibility for a slip.

**6.4 Reference to other sections**

does not exist

**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Usual hygienic measures are necessary allowing for the risk of serious damage to eyes and irritating to skin.

**7.2 Conditions for safe storage, including any incompatibilities**

Storing tight sealed in original packages in a dry, warm place.

**7.3 Specific end use(s)****8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****8.1.1 Threshold limits**

2-(2-Butoxyethoxy)ethanol	10 ppm (8 h)	68 mg/m <sup>3</sup> (8 h)
Sodium hydroxide	2 mg/m <sup>3</sup> (15 min, max value)	
Potassium hydroxide	2 mg/m <sup>3</sup> (15 min, kattoarvo)	

**8.1.2 Other information on limit values**

not known

**8.2 Exposure controls****8.2.1 Appropriate engineering controls**

Good general ventilation should be sufficient.

**8.2.2 Individual protection measures****8.2.2.1 Respiratory protection**

Normally not needed

**8.2.2.2 Hand protection**

Use safety gloves mentioned in item 6.1. if necessary.

**8.2.2.3 Eye/face protection**

Use safety goggles if there is possibilities for splashing.

**8.2.2.4 Skin protection**

Use properly protecting clothes to avoid skin contact

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Important Health Safety and Environmental Information****9.1.1 Appearance**

Whitish liquid.

**9.1.2 Odour**

mild odour

**9.1.4 pH**

12,5 ± 0,5

**9.1.6 Initial boiling point and boiling range**

100 - °C

**9.1.7 Flash point**

does not exist

**9.1.9 Flammability (solid, gas)**

not measured

**9.1.10 Explosive properties****9.1.10.1 Lower explosion limit**

does not exist

**9.1.10.2 Upper explosion limit**

does not exist

**9.1.11 Vapour pressure**

not measured

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<b>9.1.13</b>	<b>Relative density</b>	not measured
<b>9.1.14</b>	<b>Solubility(ies)</b>	
<b>9.1.14.1</b>	<b>Water solubility</b>	miscible in all proportions
<b>9.1.14.2</b>	<b>Fat solubility (solvent - oil to be specified)</b>	not measured
<b>9.1.15</b>	<b>Partition coefficient: n-octanol/water</b>	not measured
<b>9.1.18</b>	<b>Viscosity</b>	not measured
<b>9.1.20</b>	<b>Oxidising properties</b>	does not exist
<b>9.2</b>	<b>Other information</b>	does not exist

**10. STABILITY AND REACTIVITY**

<b>10.1</b>	<b>Reactivity</b>	
<b>10.2</b>	<b>Chemical stability</b>	Product is stable at normal temperature
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	
<b>10.4</b>	<b>Conditions to avoid</b>	not known
<b>10.5</b>	<b>Incompatible materials</b>	Strong acids.
<b>10.6</b>	<b>Hazardous decomposition products</b>	not known

**11. TOXICOLOGICAL INFORMATION**

<b>11.1</b>	<b>Information on toxicological effects</b>	
<b>11.1.1</b>	<b>Acute toxicity</b>	2-(2-Butoxyethoxy)ethanol: LD50=6560 mg/kg (oral, rat), LD50=4120 mg/kg (dermal, rabbit); Potassium hydroxide: LD50=365 mg/kg (oral, rat)
<b>11.1.2</b>	<b>Irritation and corrosion</b>	Product can cause serious damage to eyes and irritates the skin. Long termed and/or repeated skin contact can cause irritation dermatitis.
<b>11.1.3</b>	<b>Sensitisation</b>	not known
<b>11.1.4</b>	<b>Subacute, subchronic and prolonged toxicity</b>	not known
<b>11.1.5</b>	<b>STOT-single exposure</b>	Swallowing can strongly irritate alimentary canal and cause nausea and diarrhea.
<b>11.1.8</b>	<b>Other information on acute toxicity</b>	not known

**12. ECOLOGICAL INFORMATION**

<b>12.1</b>	<b>Toxicity</b>	
<b>12.1.1</b>	<b>Aquatic toxicity</b>	Product is locally toxic to the aquatic organisms due its alkalinity.
<b>12.1.2</b>	<b>Toxicity to other organisms</b>	not known
<b>12.2</b>	<b>Persistence and degradability</b>	
<b>12.2.1</b>	<b>Biodegradation</b>	Product is biologically degradable.

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- 12.2.2 Chemical degradation**  
not known
- 12.3 Bioaccumulative potential**  
no bioaccumulation
- 12.4 Mobility in soil**  
with water
- 12.5 Results of PBT and vPvB assessment**
- 12.6 Other adverse effects**  
not known

**13. DISPOSAL CONSIDERATIONS**

- 13.1 Waste treatment methods**  
Contact your local waste disposal authority for advise.

**14. TRANSPORT INFORMATION**

- 14.1 UN number**
- 14.2 UN proper shipping name**
- 14.3 Transport hazard class(es)** Transport regulations are not applied to this product
- 14.4 Packing group**
- 14.5 Environmental hazards**
- 14.6 Special precautions for users**
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

**15. REGULATORY INFORMATION**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
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- 15.2 Chemical safety assessment**  
Chemical safety assesment has not be done.

**16. OTHER INFORMATION**

- 16.3 Key literature references and sources for data**  
MSDS from the manufacturer. SAX: Dangerous Properties of Industrial Materials (11. edition).
- 16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H319 Causes serious eye irritation.
- 16.8 Additional information available from:**  
Tammermatic Oy tel. +358-20-1373 403  
**Date** 20.1.2017