

Swanline PRO

Date 20.1.2017

Previous date: 28.4.2015

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

1.1 Product identifier**1.1.1 Commercial Product Name**

Swanline PRO

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

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

Swanline PRO

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CAS/EC and Reg. number	Chemical name of the substance	Concentration Classification	
54549-24-5 01-2119492545-29 112-34-5 01-2119475104-44	Hexyl glucoside	11-15 %	Eye Dam. 1; H318
1310-58-3 01-2119487136-33 1310-73-2 01-2119457892-27	C10 Alcohol ethoxylate Potassium hydroxide Sodium hydroxide	6-10 % 1,5-<1,8 % 0,04-<0,15 %	Eye Dam. 1; H318 Acute Tox. 4, Skin Corr. 1A; H302 H314 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.

Swanline PRO

Date 20.1.2017

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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 ³ (8 h)
Sodium hydroxide	2 mg/m ³ (15 min, max value)	
Potassium hydroxide	2 mg/m ³ (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**

Red liquid.

9.1.2 Odour

mild odour

9.1.4 pH

13,6 ± 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

Swanline PRO

Date 20.1.2017

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

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