

Swanline RAINLUX

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 RAINLUX

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**

Irritating to eyes and skin.

1272/2008 (CLP)

Skin Irrit. 2, H315

Eye Irrit. 2, H319

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

GHS07

Signal word

Warning**Hazard Statements**

H315

Causes skin irritation.

H319

Causes serious eye irritation.

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**

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CAS/EC and Reg. number	Chemical name of the substance	Concentration	Classification
111-76-2 01-2119475104-44	2-Butoxyethanol	1-<5 %	Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2; H332 H312 H302 H319 H315
67-63-0 01-2119457558-25	2-Propanol	1-<5 %	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336
64-19-7 01-2119475328-30	Acetic acid	1-<5 %	Flam. Liq. 2, Skin Corr. 1A; H226 H314
112-90-3	(Z)-octadec-9-enylamine	1-<5 %	Acute Tox. 4, Skin Corr. 1 B, STOT SE 3, STOT RE 2, Aquatic Acute 1; H302 H314 H335 H373 H400
	Silicones	1-<5 %	Flam. Liq. 2, Eye Irrit. 2, Skin Irrit. 2; H225 H319 H315

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.

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

Foam, powder, CO₂, waterfog

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. neoprene, nitrile or laminated PE/EVOH). Wear appropriate protective clothing if necessary .

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6.2 Environmental precautions

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

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.

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 irritating to eyes and 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-Butoxyethanol	20 ppm (8 h)	50 ppm (15 min)
	98 mg/m ³ (8 h)	250 mg/m ³ (15 min)
2-Propanol	200 ppm (8 h)	250 ppm (15 min)
	500 mg/m ³ (8 h)	620 mg/m ³ (15 min)
Acetic acid	5 ppm (8 h)	10 ppm (15 min)
	13 mg/m ³ (8 h)	25 mg/m ³ (15 min)

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**

Yellow liquid.

9.1.2 Odour

mild odour

9.1.4 pH

4,0 ± 0,5

9.1.6 Initial boiling point and boiling range

80 - °C

9.1.7 Flash point

does not exist

9.1.9 Flammability (solid, gas)

189 °C

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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
9.1.13	Relative density	0,97
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
9.1.18	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 bases.
10.6	Hazardous decomposition products	not known

11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.1	Acute toxicity	2-Propanol: LD50=5045 mg/kg (oral, rat), LDLo=2770 mg/kg (hmn), LCLo=12800 ppm/3 h (inhl, mouse), LD50=12,8 g/kg (dermal, rabbit); 2-Butoxyethanol: LD50=470 mg/kg (oral, rat), TCLo=100 ppm (inhl, hmn; nose, eyes, CNS), TDLo=600 mg/kg (oral, hmn); Acetic acid: LD50=3310 mg/kg (oral, rat), TDLo=1,47 mg/kg (oral, hmn; git), TCLo=816 ppm/3 min (inhl, hmn; nose, eyes, lungs)
11.1.2	Irritation and corrosion	Product irritates eyes and 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 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	not known

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- 12.1.2 Toxicity to other organisms**
not known
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
Product is biologically degradable.
- 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**
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| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |

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16.8 **Additional information available from:**
Tammermatic Oy tel. +358-20-1373 403

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