

**Swanline INSECT**

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**

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**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 (in Finland 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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CAS/EC and Reg. number	Chemical name of the substance	Concentration Classification	
112-34-5 01-2119475104-44	2-(2-Butoxyethoxy)ethanol	3-<5 %	Eye Irrit. 2; H319
- 1310-58-3 01-2119487136-33	C10 Alcohol ethoxylate Potassium hydroxide	3-<5 % 0,5-<1 %	Eye Dam. 1; H318 Acute Tox. 4, Skin Corr. 1A; H302 H314
97659-50-2 1310-73-2 01-2119457892-27	Na-Acrylamine compound Sodium hydroxide	0,5-0,8 % < 0,2 %	Eye Irrit. 2; H319 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.

#### 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

does not exist

## 6. ACCIDENTAL RELEASE MEASURES

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

Use safety goggles and safety gloves (e.g. nitrile or butyl rubber 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.

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

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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 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) |                            |
- 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**  
Use respiratory protection mentioned in item 6.1. if necessary.
- 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**  
Green liquid.
- 9.1.2 Odour**  
Mild odour.
- 9.1.3 Odour threshold**  
not measured
- 9.1.4 pH**  
13,0 ± 0,5
- 9.1.5 Melting point/freezing point**  
not measured
- 9.1.6 Initial boiling point and boiling range**  
100 - °C
- 9.1.7 Flash point**  
not measured
- 9.1.8 Evaporation rate**  
not measured
- 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

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<b>9.1.11</b>	<b>Vapour pressure</b>	not measured
<b>9.1.12</b>	<b>Vapour density</b>	not measured
<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>9.1.16</b>	<b>Auto-ignition temperature</b>	does not exist
<b>9.1.17</b>	<b>Decomposition temperature</b>	not measured
<b>9.1.18</b>	<b>Viscosity</b>	not measured
<b>9.1.19</b>	<b>Explosive properties</b>	does not exist
<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); Sodium hydroxide: LDLo=500 mg/kg (oral, rabbit)
<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 cause strong irritation in alimentary canal, nausea and diarrhoea.
<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.

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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**
- |      |  |
|------|--|
| 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