

Tammermatic POLAR

Date 20.1.2017

Previous date: 31.10.2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1 Product identifier
1.1.1 Commercial Product Name

Tammermatic POLAR

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, harmful for aquatic organism with long lasting effects.

1272/2008 (CLP)

Skin Irrit. 2, H315

Eye Dam. 1, H318

Aquatic Chronic 3, H412

2.2 Label elements
1272/2008 (CLP)

GHS05

Signal word

Danger
Hazard Statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container with advise of local waste disposal authority.

2.3 Other hazards


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3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous components**

CAS/EC and Reg. number	Chemical name of the substance	Concentration	Classification
64742-82-1 01-2119490979-12	Naphtha (petroleum), hydrodesulfurized heavy	5-< 9 %	Flam. Liq. 3, Asp. Tox. 1, STOT SE 3, Aquatic Chronic 2; H226 H304 H336 H411
112-34-5 01-2119475104-44	2-(2-Butoxy ethoxy) ethanole	3-<8 %	Eye Irrit. 2; H319
68439-46-3 01-2119980051-45	Alcohol(C9-11) ethoxylate	2-<5 %	Acute Tox. 4, Eye Dam. 1; H302 H318
1554325-20-0 02-2119549270-44	Quaternary cocoalkyl methyl aminethoxylate methylchloride	2-<5 %	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1; H302 H315 H318
02-2119549270-44	Alcohol ethoxylate	2-<5 %	Skin Irrit. 2, Eye Dam. 1; H315 H318
69011-36-5 01-2119976362-32	Isotridecanole ethoxylate	2-<5 %	Acute Tox. 4, Eye Dam. 1; H302 H318
64742-95-6 01-2119486773-24	Solvent naphtha (petroleum), light arom.	0,5-<2 %	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411
1310-73-2 01-2119457892-27	Sodium hydroxide	0,5-<2 %	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.

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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.
- 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 serious damage to eyes, skin irritating and harmful effect for aquatic life.
- 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**
- | | | |
|---|--|----------------------------|
| Naphtha (petroleum),
hydrodesulfurized heavy | 200 mg/m ³ (8 h) | |
| 2-(2-Buthoxy ethoxy) ethanole | 10 ppm (8 h) | 68 mg/m ³ (8 h) |
| Solvent naphtha (petroleum),
light arom. | 100 mg/m ³ (8 h) | |
| Sodium hydroxide | 2 mg/m ³ (15 min, max. conc.) | |
- 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

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9.1 Important Health Safety and Environmental Information

9.1.1	Appearance	
	Yellowish, clear liquid.	
9.1.2	Odour	mild odour
9.1.4	pH	13
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
9.1.13	Relative density	1,05
9.1.14	Solubility(ies)	
9.1.14.1	Water solubility	miscible in all proportions
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	not known
11.1.2	Irritation and corrosion	Product can cause serious damage to eyes and irritates also 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 irritate alimentary canal and cause nausea and diarrhea.
11.1.8	Other information on acute toxicity	not known

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H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

16.8 Additional information available from:

Tammermatic Oy tel. +358-20-1373 403

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