

SAFETY DATA SHEET**Tammermatic Brush shampoo - Winter**

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued 16.12.2022

1.1. Product identifier

Product name	Tammermatic Brush shampoo - Winter
UFI	2SF3-NORO-400Q-01X4
Article no.	2010039
Product definition	Brush shampoo
Information on the packaging	Type of packaging: Jug Size of packaging: 20 L Material of packaging: Plastic: HDPE Type of packaging: Bag / sack Size of packaging: 10 L Material of packaging: Plastic: LDPE Type of packaging: Drum Size of packaging: 200 L Material of packaging: Plastic: HDPE

1.2. Relevant identified uses of the substance or mixture and uses advised against

Function	Description: Vehicle detergent
Professional use	Yes

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name	Tammermatic Oy
Postal address	Vaaksakuja 1
Postcode	33960
City	Pirkkala
Country	Suomi
Telephone number	020 1373 400

Email	service@tammermatic.com
Website	www.tammermatic.com

1.4. Emergency telephone number

Emergency telephone	Telephone number: Phone: 09-4711 , 09-471977 (direct) Description: Kuvaus: Myrkytystietokeskus, Tukholmankatu 17, PL 790, 00029 HUS (Helsinki), (24 h)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Dam. 1; H318 Skin Sens. 1B; H314
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2.2. Label elements

Hazard pictograms (CLP)



Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage.
Precautionary statements	P260 Do not breathe dust / fume / gas / mist / vapours / spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P264 Wash kädet thoroughly after handling. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P501 Dispose of contents / container to määräysten mukaisesti

2.3. Other hazards

Other hazards	The substance does not contain components that meet the criteria for persistent, bioaccumulative and toxic substances or very persistent and very bioaccumulative substances according to Annex XIII. The components of the substance have not been included in the list of substances with endocrine disrupting properties drawn up in accordance with Article 59 1 and have not been identified as substances with endocrine disrupting properties in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018 /605(4) in accordance with the established criteria.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Composition type	Mixture
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Substance	Identification	Classification	Contents	Notes
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Alkylglukosid	CAS No.: 54549-24-5 EC No.: 259-217-6 REACH Reg. No.: 01-2119492545-29 REACH Reg. No.: 01-2119492545-29	Eye Dam. 1; H318	2,5 - 10 %
Natriummetasilikaatti 5-hydraatti	CAS No.: 10213-79-3 REACH Reg. No.: 01-2119449811-37-0004 REACH Reg. No.: 01-2119449811-37	Met. Corr. 1; H290 Skin Corr. 1B; H314 Eye Dam. 1; H314 STOT SE 3; H335	0,5 - 2,5 %
Poly(oxy-1,2-ethanediyl, aplha-(2-propylheptyl) -omega-hydroxy-	CAS No.: 160875-66-1 REACH Reg. No.: 02-2119549160-47	Eye Irrit. 2; H319	0,5 - 2,5 %
Substance comments	This product is not known to contain nanomaterials.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Contact physician if discomfort continues. If medical advice is needed, have product container or label at hand.
Inhalation	Move injured person into fresh air and keep person calm under observation. If necessary, seek hospital and bring these instructions.
Skin contact	Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water. If skin irritation occurs: Get medical advice/attention.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms and effects	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Not determined.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Fight fire with normal precautions from a reasonable distance.
Improper extinguishing media	Not known

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Not known
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Hazardous combustion products	Carbon monoxide (CO). Nitrous gases (NOx).
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5.3. Advice for firefighters

Personal protective equipment	In case of inadequate ventilation wear respiratory protection. Wear fire / flame resistant / retardant clothing.
Fire fighting procedures	Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Collect spillage. Avoid release to the environment.
Personal protection measures	In case of inadequate ventilation wear respiratory protection. For personal protection, see section 8.
For emergency responders	In case of inadequate ventilation wear respiratory protection.

6.2. Environmental precautions

Environmental precautionary measures	Collect spillage. Avoid discharge into drains, water courses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Containment	Collect spillage. Absorb spillage to prevent material damage. Avoid release to the environment.
Clean up	Collect spillage. Absorb spillage to prevent material damage. Avoid release to the environment.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Store in the original package Avoid inhalation of vapours/spray and contact with skin and eyes.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in tightly closed original container in a dry and cool place. Keep away from food, drink and animal feeding stuffs.
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7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Alkyyli-glukosid	CAS No.: 54549-24-5		
Natriummetasilikaatti	CAS No.: 10213-79-3	Limit value type: OEL	

5-hydraatti	Limit value (8 h) : 10 mg/m ³
Poly(oxy-1,2-ethanediyl, aplha-(2-propylheptyl) -omega-hydroxy-	CAS No.: 160875-66-1

8.2. Exposure controls

Safety signs



Eye / face protection

Required Properties	Wear approved, tight fitting safety glasses where splashing is probable.
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Hand protection

Skin- / hand protection, short term contact	Protective gloves and goggles must be used if there is a risk of direct contact or splash.
Suitable gloves type	Protective gloves are recommended.
Suitable materials	Butyl rubber. Nitrile.

Skin protection

Suitable protective clothing	Wear appropriate clothing to prevent reasonably probable skin contact.
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Respiratory protection

Respiratory protection necessary at	In case of inadequate ventilation wear respiratory protection.
Recommended type of equipment	Gas mask with canister providing protection against the chemical of concern (chin-style or front- or back-mounted).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Brown.
Odour	Mild.
Odour limit	Reason for waiving data: No data.
pH	Status: In delivery state Value: 12
Melting point / melting range	Reason for waiving data: No data.
Freezing point	Reason for waiving data: No data.
Boiling point / boiling range	Value: 100 °C
Flash point	Reason for waiving data: No data.

Evaporation rate	Reason for waiving data: No data.
Lower explosion limit with unit of measurement	Reason for waiving data: No data.
Upper explosion limit with units of measurement	Reason for waiving data: No data.
Explosion limit	Reason for waiving data: No data.
Vapour pressure	Reason for waiving data: No data.
Vapour density	Reason for waiving data: No data.
Relative density	Value: ~ 1 Temperature: 20 °C
Density	Reason for waiving data: No data.
Bulk density	Reason for waiving data: No data.
Solubility	Medium: Water
Partition coefficient: n-octanol/ water	Reason for waiving data: No data.
Auto-ignition temperature	Reason for waiving data: No data.
Decomposition temperature	Reason for waiving data: No data.
Viscosity	Reason for waiving data: No data.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable
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10.2. Chemical stability

Stability	Stable
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Keep away from oxidizing agents and strong acids.
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10.4. Conditions to avoid

Conditions to avoid	Protect from freezing and heat.
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10.5. Incompatible materials

Materials to avoid	Take any precaution to avoid mixing with combustibles / strong acids
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10.6. Hazardous decomposition products

Hazardous decomposition products	No information.
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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	Effect tested: LD ₅₀
	Route of exposure: Intravenous.
	Value: 1580 mg/kg
	Species: Rabbit
	Comments: Natriummetasilikaatti 5-hydraatti
	Effect tested: LD ₅₀
	Route of exposure: Oral
	Method: OECD Test Guideline 401
	Value: 4400 mg/kg
Species: Rat	
Comments: 3-Metoksi-3-metyylibutaani-1-oli	
Effect tested: LD ₅₀	
Route of exposure: Dermal	
Value: > 2000 mg/kg	
Species: Rat	
Comments: 3-Metoksi-3-metyylibutaani-1-oli	

Other information regarding health hazards

Assessment of acute toxicity, classification	Harmful in contact with skin.
Assessment of eye damage or irritation, classification	Causes serious eye irritation.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.

11.2 Other information

Endocrine disruption	This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
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SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity, fish	Comments: None.
Aquatic toxicity, algae	Comments: None.
Aquatic toxicity, crustacean	Comments: None.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	The product is biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulation, evaluation	Not known.
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12.4. Mobility in soil

Mobility	No data recorded.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not Classified as PBT/vPvB by current EU criteria.
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12.6. Endocrine disrupting properties

Endocrine disrupting properties	This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
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12.7. Other adverse effects

Additional ecological information	No data recorded.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Dispose of contents/container to paikallisten viranomaisten ohjeiden mukaisesti Do not allow runoff to sewer, waterway or ground.
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Appropriate methods of disposal for the contaminated packaging	Dispose of contents/container to paikallisten viranomaisten ohjeiden mukaisesti
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SECTION 14: Transport information

Dangerous goods	No
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14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Comments	None.
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14.4. Packing group

Comments	None.
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14.5. Environmental hazards

IMDG	Not determined.
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14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

Restriction of chemicals according to Annex XVII (REACH)	CLP Regulation (EU) No. 72/2008, European Parliament and Council Regulation (EC) No. 648/2004 on detergents, Occupational Safety and Health Act (738/2002), STM regulation on concentrations known to be harmful (268/2014).
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
Version	1
Expired date	31.12.2023