

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation	6416977715900 Small device wash Date: 1 July 2019
1.2 Use of the substance/preparation	Relevant uses: Detergent Non-recommended uses: No such use is determined in this paragraph or paragraph 7.3
1.3 Identification of the company or undertaking	OY SOFT PROTECTOR LTD P.O. Box 100 (Nupurintie 4) 02761 Espoo, Finland Tel. +358 9887 0430 softcare.fi
1.4 Emergency telephone	direct +358 947 1977 (24 h), exchange +358 94711, Poison Information Centre, Helsinki

SECTION 2: IDENTIFICATION OF HAZARDS

2.1 Classification of the substance or preparation	CLP regulation (EC) No. 1272/2008: This product is classified according to CLP regulation (EC) No. 1272/2008.
2.2 Labelling	CLP regulation (EC) No. 1272/2008: Safety clauses: P102: Keep out of reach of children P337+P313: If eye irritation persists: Get medical advice/attention Additional information: Not applicable
2.3 Other hazards	Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Description: Aqueous solution containing surface active agents

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SECTION 4: FIRST-AID MEASURES

4.1 Description of first-aid measures

Poisoning may cause symptoms to occur after exposure; therefore, in questionable cases, after direct exposure to the chemical and if feelings of unwellness continue, medical attention should be sought and this Safety Data Sheet should be presented.

Inhalation:

This product does not contain any substances classified as dangerous when inhaled. Should there be symptoms of poisoning nevertheless, the person exposed to the product should be taken away from the exposure area to fresh air. If the symptoms persist or become more severe, seek medical attention.

Skin contact:

This product does not contain any substances classified as dangerous upon contact with skin. If the product gets on the skin nevertheless, it is recommended to clean the exposed area with running water and neutral soap. If skin manifestations (burning sensation, erythema, dermatitis, blisters) occur, seek medical attention and present this Safety Data Sheet.

Eye contact:

Rinse the eyes with plenty of room-temperature water for at least 15 minutes. Avoid closing and rubbing the eyes. To avoid further damage, contact lenses should be removed from the eyes unless they are stuck. In any case, medical attention should be sought as soon as possible after rinsing and the product Safety Data Sheet should be presented.

Ingestion:

If the product has been swallowed by a person, seek medical attention immediately and present this Safety Data Sheet.

4.2 Relevant acute and delayed symptoms and effects

Acute and delayed effects are stated in sections 2 and 11.

4.3 Instructions on possibly required immediate medical assistance and special treatment:

Not applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

The product does not cause a fire hazard under normal storage, handling and use conditions. In the event of a fire due to incorrect handling, storage or use, preferably use a multi-purpose dry powder extinguisher (ABC powder). Water spraying or water fogging are NOT RECOMMENDED as means of extinguishing.

5.2 Special exposure hazards arising from the substance or preparation

Thermal decomposition or combustion may produce reaction products which may be highly toxic and thereby damage health severely.

5.3 Fire-fighting instructions

Depending on the intensity of the fire, it may be necessary to use full protective clothing and an independent compressed airline breathing apparatus. The minimum safety equipment and first-aid equipment (fire blankets, first-aid kit, etc.) should be on site.

Additional regulations:

Observe the internal emergency plan and other instructions pertaining to procedures in accidents and other emergencies. Remove all ignition sources. In the event of a fire, cool down containers and storage tanks containing products that are flammable, explosive or susceptible to a boiling liquid expanding vapour explosion (BLEVE) in high temperatures. The distribution of products used in extinguishing to the aquatic environment should be avoided.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

Isolate leaks if it is possible without additional danger to the people performing the task. Due to the possibility of exposure to the leaked product, the use of personal protective equipment is mandatory (please refer to section 8). The area must be evacuated and any unprotected people kept out.

6.2 Environmental precautions

The product has not been classified as dangerous for the environment. Keep out of sewers and surface and ground waters.

6.3 Methods for cleaning up

It is recommended:

To absorb the spilled substance with sand or a non-reactive sorbent and move it to a safe place. Do not absorb the substance into sawdust or another flammable sorbent. More information on the disposal of the product can be found in section 13.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.4 References to other sections

See headings 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Handling

A. General safety precautions

Valid occupational risk prevention legislation must be observed. Containers must be hermetically sealed. Prepare for spills and product residue and dispose of them safely (see section 6). Avoid unobstructed drainage from the container. The place where dangerous goods are handled must be kept in good order and clean.

B. Technical recommendations for preventing fires and explosions

The product does not cause a fire hazard under normal storage, handling and use conditions. Pouring from one container to another should be done very slowly in order to avoid the generation of electrostatic charges which might affect flammable products. For more information on conditions and substances to avoid, please refer to section 10.

G. Technical recommendations for the prevention of ergonomic and toxicological risks

Eating or drinking whilst handling the product is prohibited, and hands should be washed after handling and using appropriate cleaning products.

D. Technical recommendations for the prevention of ecological risks

It is recommended to keep sorbent in the vicinity of the product (please refer to section 6.3).

7.2 Storage

A. Technical measures related to storage

Minimum temperature: 5 °C

Maximum temperature: 35 °C

B. General storage conditions

Heat and radiation sources, electrostatic charges and contact with food should be avoided. Please refer to section 10.5.

7.3 Specific uses

There is no need to provide other specific recommendations in addition to the instructions provided.

KOHTA 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Substances for which the occupational exposure limit values are monitored in the working space (concentration values known to be harmful, 2012):

Identification	Dangerous for the environment		
	Harmful concentration (8h)	1000 ppm	1900 mg/m ³
Ethanol			
CAS: 64-17-5	Harmful concentration (15 min)	1300 ppm	2500 mg/m ³
EC: 200-578-6	Year	2014	
Potassium hydroxide	Harmful concentration (8h)		
CAS: 1310-58-3	Harmful concentration (15 min)		2 mg/m ³
EC: 215-181-3	Year	2014	

DNEL (employees):

Identification		Short-term exposure		Long-term exposure	
		Systemic	Local	Systemic	Local
Sodium carbonate CAS: 497-19-8 EC: 207-838-8	Ingestion	Not applicable	Not applicable	Not applicable	Not applicable
	Skin contact	Not applicable	Not applicable	Not applicable	Not applicable
	Inhalation	Not applicable	Not applicable	Not applicable	10 mg/m ³

DNEL (general population):

Identification		Short-term exposure		Long-term exposure	
		Systemic	Local	Systemic	Local
Sodium carbonate CAS: 497-19-8	Ingestion	Not applicable	Not applicable	Not applicable	Not applicable
	Skin contact	Not applicable	Not applicable	Not applicable	Not applicable

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EC: 207-838-8	Inhalation	Not applicable	10 mg/m³	Not applicable	Not applicable
PNEC:					

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KOHTA 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Not applicable

8.2 Exposure controls

A. General labour protection measures

As a precaution, it is recommended to use personal protective equipment with the CE marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, protection class, etc.), see the documentation provided by manufacturers. The instructions given herein apply to the product as such. If the product is used diluted, the precautions required may depend on the dilution ratio, use, method, etc. In determining the obligation to install emergency showers or eye-rinsing equipment in storage facilities, the regulations pertaining to the storage of chemical products applicable to the particular case need to be taken into account. For more information, please refer to sections 7.1 and 7.2.

B. Respiratory protection

If the substance forms mist or if the occupational exposure limit values are exceeded, personal protective equipment must be used.



C. Hand protection

Warning symbol	Personal protective equipment	Labelling	CEN standards	Observations
 Hand protection is mandatory	Disposable protective gloves that withstand chemical substances		EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+AI:2009	Replace the gloves with a new pair as soon as wear is detected.



D. Eye and face protection

Warning symbol	Personal protective equipment	Labelling	CEN standards	Observations
 Face protection is mandatory	Safety glasses to protect against liquid splashes		EN 166:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN ISO 4007:2012	To be cleaned daily and disinfected regularly as per the manufacturer's instructions.

E. Body protection

Warning symbol	Personal protective equipment	Labelling	CEN standards	Observations
	Work clothes		EN ISO 13688:2013	Only for work purposes.
	Non-skid work shoes		EN ISO 20347:2012 EN ISO 20344:2011	No

F. Supplementary emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2002	 Eye-rinsing equipment	DIN 12 899 ISO 3864-1:2002

Environmental exposure controls:

Under the community environmental protection legislation, it is recommended to avoid disposing of the product and its packaging in nature. Please refer to section 7.1.D.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance:

Physical state 20 Liquid

At °C:

Appearance: Characteristic

***Not applicable due to product characteristics, no data regarding the danger of the product.**

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Cream
Odour:	Characteristic
Volatility:	
Boiling point at normal pressure:	96 °C
Vapour pressure at 20 °C:	2589 Pa
Vapour pressure at 50 °C:	13,424 Pa (13 kPa)
Evaporation rate at 20 °C:	Not applicable*
Product characteristics:	
Density at 20 °C:	978 kg/m ³
Relative density at 20 °C:	1
Dynamic viscosity at 20 °C:	2.06 cP
Kinematic viscosity at 20 °C:	2.1 cSt
Kinematic viscosity at 40 °C:	Not applicable*
Concentration:	Not applicable*
pH:	9.8-10.4
Vapour density at 20 °C:	Not applicable*
Partition coefficient: n-octanol/water at 20 °C:	Not applicable*
Water solubility at 20 °C:	Not applicable*
Solubility:	Not applicable*
Decomposition temperature:	Not applicable*
Melting or freezing point:	Not applicable*
Flammability:	
Flash point:	87 °C
Auto-ignition temperature:	423 °C
Lower flammable limit	Not applicable*
Upper flammable limit	Not applicable*
9.2 Other information:	
Surface tension at 20 °C:	Not applicable*
Refractive index:	Not applicable*

*Not applicable due to product characteristics, no data regarding the danger of the product.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions are to be expected if the technical instructions on the storage of chemicals are followed. Please refer to section 7.

10.2 Chemical stability

Chemically stable under the use, handling and storage conditions outlined in the instructions.

10.3 Possibility of hazardous reactions

No dangerous reactions causing high temperature or pressure are to be expected under the conditions described in the instructions.

10.4 Conditions to avoid

Applicable to use and storage at room temperature:

Impact and scrubbing	Air contact	Elevated temperature	Sunlight	Moisture
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidants	Combustible materials	Other
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.6 Hazardous decompositions products:

You will find a detailed description of decomposition products under sections 10.3, 10.4 and 10.5. Depending on the decomposition conditions, decomposition may cause the release of complex chemical mixtures: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Toxicological effects

There is no toxicological data on the preparation based on experimental evidence. The danger classification of irritant and corrosive effects takes into account the recommendations given in directive 67/548/EC, Annex VI, section 3.2.5 and directive 1999/45/EC, Article 6, section 3, subsections b) and c) and the recommendations given in the CLP regulation, Annex I, section 3.2.3.3.5.

Dangerous-to-health effects

Under repeated or prolonged exposure or exposure which exceeds the occupational exposure limit values, the product may cause adverse effects to health depending on the pattern of exposure:

A. Ingestion:

Based on the available data, the classification criteria are not met and the product does not contain substances classified as dangerous when ingested. Please refer to section 3.

B. Inhalation:

Based on the available data, the classification criteria are not met and the product does not contain substances classified as dangerous when inhaled. Please refer to section 3.

C. Skin and eye contact:

Causes eye damage after exposure.

D. CMR effects (carcinogenic, mutagenic or toxic to reproduction):

Based on the available data, the classification criteria are not met and the product does not contain substances classified as dangerous based on said characteristics. Please refer to section 3.

E. Sensitisation:

Based on the available data, the classification criteria are not met and the product does not contain substances classified as dangerous by virtue of its sensitising properties. Please refer to section 3.

F. Specific target organ toxicity (STOT) – Single exposure:

Based on the available data, the classification criteria are not met and the product does not contain substances classified as dangerous with respect to this effect. For further details, please refer to section 3.

F. Specific target organ toxicity (STOT) – Repeated exposure:

Based on the available data, the classification criteria are not met and the product does not contain substances classified as dangerous with respect to this effect. For further details, please refer to section 3.

H. Aspiration hazard:

Based on the available data, the classification criteria are not met and the product does not contain substances classified as dangerous with respect to this effect. For further details, please refer to section 3.

Other information:

Not applicable

Toxicological data of substances:

Identification	Acute toxicity		Species
	LD50 oral	LD50 dermal	
Sodium carbonate CAS: 497-19-8 EC: 207-838-8	4090 mg/kg	Not applicable	Rat
	Not applicable	Not applicable	
	Not applicable	Not applicable	

SECTION 12: ECOLOGICAL INFORMATION

There is no data on the ecologically dangerous properties of the preparation based on experimental evidence.

12.1 Toxicity

Identification	Acute toxicity		Species
	LC50	EC50	
Sodium carbonate CAS: 497-19-8 EC: 207-838-8	740 mg/l (96 h)	265 mg/l (48 h)	Gambusia affinis
	Not applicable	Not applicable	Daphnia magna
	Not applicable	Not applicable	Crustacean

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.2 Persistence and degradability

Unknown

12.3 Bioaccumulative potential

Unknown

12.4 Mobility

Unknown

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Methods of disposal

Code	Description	Type of waste (directive 2008/98/EC)
20 01 29*	Detergents and cleansing agents that contain dangerous substances	Dangerous

Waste management (disposal and assessment):

Discuss the recovery and disposal of waste with a licensed waste handling provider under Annexes 1 and 2 (Directive 2008/98/EC, Act 22/2011). As per codes 15 01 (2000/532/EC), if the packaging has been in direct contact with the product, it must be handled in the same manner as the product itself, otherwise it is handled as non-hazardous waste. Discharge to the sewer system is not recommended. Please refer to section 6.2.

Legislation on waste management:

Under Regulation (EC) No. 1907/2006 (REACH regulation), Annex II, community regulations or national provisions pertaining to waste management are notified.

Community legislation: Directive 2008/98/EEC, 2000/532/EC: Commission Decision of 3 May 2000. National legislation: Waste Act, 646/2011

SECTION 14: TRANSPORT INFORMATION

Land transportation of hazardous goods:

As per ADR 2013 and EID 2013 rules:

14.1 UN number Not applicable

14.2 Proper shipping name Not applicable

14.3 Transport hazard class Not applicable
Labelling: Not applicable

14.4 Packing group Not applicable

14.5 Dangerous for the environment No

14.6 Special precautions by user
Specific provisions: Not applicable
Tunnel restriction code: Not applicable
Physiochemical properties: See heading 9
LQ: Not applicable

14.7 Transport in bulk under IBC regulations and the Marpol agreement 73/78, Annex II: Not applicable

Sea transportation of hazardous goods:

As per IMDG 36-12 provisions:

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SECTION 14: TRANSPORT INFORMATION (continued)

14.1 UN number	Not applicable
14.2 Proper shipping name	Not applicable
14.3 Transport hazard class	Not applicable
Labelling:	Not applicable
14.4 Packing group	Not applicable
14.5 Dangerous for the environment	No
14.6 Special precautions by user	
Specific provisions:	Not applicable
EmS codes:	
Physiochemical properties:	See heading 9
LQ:	Not applicable
14.7 Transport in bulk under IBC regulations and the Marpol agreement 73/78, Annex II:	Not applicable
Transport of dangerous goods by air:	
According to IATA/ICAO 2014 regulations:	
14.1 UN number	Not applicable
14.2 Proper shipping name	Not applicable
14.3 Transport hazard class	Not applicable
Labelling:	Not applicable
14.4 Packing group	Not applicable
14.5 Dangerous for the environment	No
14.6 Special precautions by user	
Physiochemical properties:	See heading 9
14.7 Transport in bulk under IBC regulations and the Marpol agreement 73/78, Annex II:	Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations or legislation specific to the substance or preparation
List of substances of very high concern under (EC) No. 1907/2006 (REACH): Not applicable
Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer: Not applicable
Not listed biocidal active substances Regulation (EU) No. 528/2012: Not applicable
Regulation (EU) No. 649/2012 on export and import of hazardous chemicals: Not applicable
Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, preparations and articles (REACH regulation, Annex XVII):
Not applicable
Specific provisions for the protection of people and nature:
It is recommended to use the information contained in this Safety Data Sheet as a starting point for risk assessment under local circumstances with the aim to define necessary risk management methods for the handling, use, storage and disposal of this product.
Other legislation:

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SECTION 15: REGULATORY INFORMATION (continued)

- Chemicals Act 744/1989
- Chemicals Decree 675/1993
- Bases for classification and labelling 807/2001; amendment 687/2005, 206/2007, 655/2008, 6/2010
- Child resistant packaging closure and tactile warning of danger 414/2011
- Decree on names of substances (in Finnish/Swedish) 5/2010, amendment 1123/2010
- Government Decree on the use of organic solvents in certain paints and lacquers and the limitation of emissions of volatile organic compounds caused by vehicle touch-up painting products 837/2005
- Government Decree on the use of organic solvents in certain functions and the limitation of emissions of volatile organic compounds caused in facilities 435/2001 with amendments
- Waste Act, 646/2011.
- Concentrations known to be harmful, 1213/2011.
- Regulation (EC) No. 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products
- Regulation (EC) No. 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents
- Commission Regulation (EC) No. 907/2006 of 20 June 2006 amending Regulation (EC) No. 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII thereto
- Commission Regulation (EC) No. 551/2009 of 25 June 2009 amending Regulation (EC) No. 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

15.2 Chemical safety assessment

The supplier has not performed a chemical safety assessment.

SECTION 16: OTHER INFORMATION

Legislation applicable to safety data sheets:

This Safety Data Sheet has been compiled under Regulation (EC) No. 1907/2006 (Regulation (EC) No. 453/2010), Annex II (Guide to the compilation of Safety Data Sheets)

Revisions to the Safety Data Sheet affecting risk management measures:

Not applicable

Phrases in Section 3:

The phrases are not related to the product itself; they are provided for information and they refer to the components stated in Section 3

Directive 67/548/EC and Directive 1999/45/EC:

R36: Irritating to eyes.

CLP regulation (EC) No. 1272/2008:

Eye Irritation 2: H319 – Causes serious eye irritation

Instructions on training:

It is recommended that the personnel handling this product have the minimum training on protection from and prevention of occupational hazards, which makes comprehension and interpretation of this Safety Data Sheet easier.

Primary sources of information:

<http://esis.jrc.ec.europa.eu>

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

COD: chemical oxygen demand

BOD5: biological oxygen demand

BCF: bioconcentration factor

LD50: median lethal dose

LC50: median lethal concentration

EC50: median effective concentration

Log Pow: octanol-water partition coefficient

Koc: organic carbon-water partition coefficient

The information contained in this Safety Data Sheet is based on sources, scientific and technical knowledge and current national and EU legislation but this is not a guarantee of its accuracy. The purpose of the SDS is to facilitate the safe use of the product, and the information contained therein cannot be considered a guarantee for any product characteristics. We do not know nor do we supervise the working methods or conditions of the users of the product, and thus responsibility for the measures required to ensure the observance of valid regulations pertaining to the handling, storage, use and disposal of chemicals, ultimately, lay with the user. The information contained in this SDS only applies to this particular product, the use of which for any other purpose than those stated herein is forbidden.