

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 12.04.2019

Version number 1

Revision: 21.01.2019

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

#### 1.1 Product identifier

· Trade name: **SHAMPOO PER CASHMERE**

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

No further relevant information available.

· **Application of the substance / the mixture** Water based liquid detergent

#### 1.3 Details of the supplier of the safety data sheet

##### · **Manufacturer/Supplier:**

Hadam's Creazioni Srl

Via Erio Benassi 4/A

42124 Reggio Emilia

Tel +39.0522.301847 - Fax +39.0522.301680

info@kangra.it

· **Further information obtainable from:** HADAM'S - E-mail: info@kangra.it

#### 1.4 Emergency telephone number:

UNITED KINGDOM

· National Poisons Information Service (NPIS) - Tel: +44 844 8920111

HADAM'S - Technical support: Tel. +39 0522.301847 (Monday-Friday: 8.00-12.00 AM, 2.00-6.00 PM)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**

Eye Dam. 1 H318 Causes serious eye damage.

Skin Sens. 1 H317 May cause an allergic skin reaction.

#### 2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS05 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

Poli(ossi-1,2-etandiil), alfa-(2-propileptil)-omega idrossi

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

· **Hazard statements**

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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

#### 2.3 Other hazards

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

#### · Dangerous components:

CAS: 160875-66-1	Poli(ossi-1,2-etandiil), alfa-(2-propileptil)-omega idrossi ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Aquatic Chronic 3, H412	5-10%
CAS: 52-51-7 EINECS: 200-143-0 Reg.nr.: 01-2119980938-15	bronopol (INN) ⚠ Self-react. C, H242; ⚠ Acute Tox. 3, H331; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335	<0.025%
CAS: 55965-84-9	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	≥0.0015-<0.025%

#### · Regulation (EC) No 648/2004 on detergents / Labelling for contents

non-ionic surfactants	≥5 - <15%
perfumes, preservation agents ("2-BROMO-2-NITROPROPANE-1,3-DIOL", Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one with magnesium chloride and magnesium nitrate, Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one with magnesium chloride and magnesium nitrate)	

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### · After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

##### · After skin contact:

Immediately remove contaminated clothing.

Immediately wash with water and soap and rinse thoroughly.

##### · After eye contact:

Protect unharmed eye.

Rinse opened eye for several minutes under running water. Then consult a doctor.

##### · After swallowing: If symptoms persist consult doctor.

#### 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### · Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

#### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

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- **5.3 Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Wear protective clothing.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Wash with water.  
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Store in cool, dry place in tightly closed receptacles.  
Ensure good ventilation/exhaustion at the workplace.  
· **Information about fire - and explosion protection:** Protect from heat.
- **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Protect from frost.  
Store receptacle in a well ventilated area.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
  - **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### · DNELs

#### 52-51-7 bronopol (INN)

Oral	DNEL / short term exposure - systemic effects	1.1 mg/kg (general population)
	DNEL / long term exposure - systemic effects	0.35 mg/kg bw/d (general population)
Dermal	DNEL / short term exposure - local effects	0.008 mg/kg (general population)
		0.013 mg/kg (workers)
	DNEL / short term exposure - systemic effects	7 mg/kg (workers)
	DNEL / long term exposure - local effects	0.008 mg/kg (general population)
		0.013 mg/kg (workers)

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Inhalative	DNEL / long term exposure - systemic effects	1.4 mg/kg bw/d (general population) 2.3 mg/kg bw/d (workers)
	DNEL / short term exposure - local effects	1.3 mg/m <sup>3</sup> (general population) 4.2 mg/m <sup>3</sup> (workers)
	DNEL / short term exposure - systemic effects	12.3 mg/m <sup>3</sup> (workers)
	DNEL / long term exposure - local effects	1.3 mg/m <sup>3</sup> (general population) 4.2 mg/m <sup>3</sup> (workers)
	DNEL / long term exposure - systemic effects	1.2 mg/m <sup>3</sup> (general population) 4.1 mg/m <sup>3</sup> (workers)

· **PNECs****52-51-7 bronopol (INN)**

PNEC / aqua	0.01 mg/l (freshwater)
	0.0025 mg/l (intermittent releases)
	0.8 mg/l (marine water)
PNEC / sediment	0.041 mg/kg dw (freshwater)
	0.00328 mg/kg dw (marine water)
PNEC / soil	0.5 mg/kg dw
PNEC / STP	0.43 mg/l

· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

Avoid contact with the eyes.

· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Light weight protective clothing

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### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

- **Appearance:**
  - **Form:** Liquid
  - **Colour:** Colourless
  - **Odour:** Pleasant
  - **Odour threshold:** Not determined.

· **pH-value:** Not determined.

##### · Change in condition

- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** 100 °C

· **Flash point:** >100 °C

· **Flammability (solid, gas):** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

##### · Explosion limits:

- **Lower:** Not determined.
- **Upper:** Not determined.

· **Vapour pressure:** Not determined.

- **Density:** Not determined.
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.

##### · Solubility in / Miscibility with

· **water:** Fully miscible.

· **Partition coefficient: n-octanol/water:** Not determined.

##### · Viscosity:

- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

##### · Solvent content:

· **Water:** 90.8 %

· **Solids content:** 0.0 %

#### · 9.2 Other information

No further relevant information available.

### SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.

#### · 10.2 Chemical stability

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.

· **10.4 Conditions to avoid** No further relevant information available.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

#### 160875-66-1 Poli(ossi-1,2-etandiil),alfa-(2-propileptil)-omega idrossi

Oral	LD50	>500 mg/kg (rat)
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#### 52-51-7 bronopol (INN)

Oral	LD50	254 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rat)
Inhalative	LC50 / 4 h	588 mg/l (rat)

- **Primary irritant effect:**

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure** Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1 Toxicity

- **Aquatic toxicity:**  
No further relevant information available.

#### 160875-66-1 Poli(ossi-1,2-etandiil),alfa-(2-propileptil)-omega idrossi

EC50 / 48h	>100 mg/l (crustacea - Daphnia magna)
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#### 52-51-7 bronopol (INN)

NOEC / 21d	0.27 mg/l (crustacea)
NOEC / 96h	20 mg/l (fish)
EC50 / 48h	1.4 mg/l (crustacea)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
  - **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.
- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation** Disposal must be made according to official regulations.
- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |  |  |
|--|--|
| · <b>14.1 UN-Number</b><br>· ADR, ADN, IMDG, IATA                                | Void   |
| · <b>14.2 UN proper shipping name</b><br>· ADR, ADN, IMDG, IATA                  | Void   |
| · <b>14.3 Transport hazard class(es)</b><br>· ADR, ADN, IMDG, IATA<br>· Class    | Void   |
| · <b>14.4 Packing group</b><br>· ADR, IMDG, IATA                                 | Void   |
| · <b>14.5 Environmental hazards:</b><br>· Marine pollutant:                      | No   |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable.                                      |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>  | Void   |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Regulation (EC) No 1907/2006 (REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals)  
Regulation (EC) No 1272/2008 (CLP - Classification, Labelling and Packaging of substances and mixtures)  
Compilation of Safety Data Sheet: Reg.UE n. 830/2015 (amending Reg.EC n.1907/2006, Annex II)
  - **Directive 2012/18/EU (Seveso)**
  - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
  - **REACH**
  - **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
  - H242 Heating may cause a fire.
  - H301 Toxic if swallowed.
  - H302 Harmful if swallowed.
  - H311 Toxic in contact with skin.
  - H312 Harmful in contact with skin.
  - H314 Causes severe skin burns and eye damage.

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H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H330 Fatal if inhaled.  
 H331 Toxic if inhaled.  
 H335 May cause respiratory irritation.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H411 Toxic to aquatic life with long lasting effects.  
 H412 Harmful to aquatic life with long lasting effects.

**· Classification according to Regulation (EC) No 1272/2008**

Serious eye damage/eye irritation  
 Skin sensitization

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**· Abbreviations and acronyms:**

CLP: Classification, Labelling and Packaging  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Self-react. C: Self-reactive substances and mixtures – Type C/D  
 Acute Tox. 4: Acute toxicity – Category 4  
 Acute Tox. 2: Acute toxicity – Category 2  
 Acute Tox. 3: Acute toxicity – Category 3  
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 Skin Sens. 1: Skin sensitisation – Category 1  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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