

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Trade name** BPS 7103 GEL

**Article No.** 7103

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

**Product type** Detergent.

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

**SDS created by** Intersolia Sweden AB

**Manufacturer** Trion Tensid AB

**Street address** Svederusgatan 1-3  
SE-754 50 Uppsala

**Telephone** +46 18 15 61 90

**Fax** +46 18 69 66 27

**Email** info@trion.se

### 1.4 Emergency telephone number

**Available outside office hours** Yes

**Emergency phone number** 911 / 112

### Other

Contact person: William Stomilovic  
Email: william.stomilovic@trion.se

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008, Annex VI

**Classification** Skin irritation, hazard category 2  
Serious eye damage, hazard category 1

**Hazard statements** H315, H318

### 2.2 Label elements

#### GHS labeling of the substance (in accordance with Regulation (EC) No 1272/2008, Annex VI)

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**Pictogram**



**Signal word**

Danger

**Hazard statements**

H315 Causes skin irritation.  
H318 Causes serious eye damage.

**Precaution statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and 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.  
P310 Immediately call a POISON CENTER or /doctor/physician  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.

*2.3 Other hazards*

Not applicable

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

*3.2 Mixtures*

<i>Chemical name</i>	<i>CAS No. EC No. REACH No.</i>	<i>Concentration</i>	<i>Classification</i>	<i>H-phrase</i>
2-(2-butoxyethoxy) ethanol	112-34-5 203-961-6 01-2119475104-44-	1 - 5%	Eye Irrit. 2	H319
Sodium metasilicate pentahydrate	10213-79-3 229-912-9 -	1 - 5%	STOT SE 3, Skin Corr. 1A, Met. Corr. 1	H290, H314, H335
Hexyl D-glucoside	54549-24-5 259-217-6 01-2119492545-29-	<3%	Eye Dam. 1	H318
a-(2-propylheptyl)-w-hydroxy	160875-66-1 - -	<2%	Eye Dam. 1	H318
Sodium hydroxide	- - -	<0,5%	Skin Corr. 1A	H314

**Substance additional information**

For the full text of the H phrases mentioned in this Section, see Section 16.

**SECTION 4. FIRST AID MEASURES**

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*4.1 Description of first aid measures*

<b>Inhalation</b>	Fresh air and rest.
<b>Skin contact</b>	Rinse the skin immediately with soap and water. Remove wet clothing and continue to rinse.
<b>Eye contact</b>	Rinse with lukewarm water. Remove any contact lenses. Keep eyelids wide apart. Contact a doctor if the irritation persists.
<b>Ingestion</b>	If the injured person is fully conscious, give him/her a couple of glasses of milk or water immediately. DO NOT INDUCE VOMITING! Call a physician immediately.

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

<b>Inhalation</b>	Inhalation of aerosol can cause irritation in the upper airways.
<b>Skin contact</b>	Repeated or prolonged skin contact can result in skin irritation and/or dermatitis and sensitisation in susceptible individuals.
<b>Eye contact</b>	Severe eye irritation
<b>Ingestion</b>	Ingestion of large amounts can result in: nausea, vomiting and stomach pains.

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

Eye washes must be available.

## SECTION 5. FIRE-FIGHTING MEASURES

*5.1 Extinguishing media*

**Suitable extinguishing media** carbon dioxide (CO<sub>2</sub>), powder or Diffuse jet of water.

*5.2 Special hazards arising from the substance or mixture*

Non-flammable.

*5.3 Advice for firefighters*

**Special protective equipment for fire-fighters** In the event of fire, wear self contained breathing apparatus. Wear suitable protective clothing.

*Other*

Containers in the vicinity of fire should be moved immediately or cooled with water.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

*6.1 Personal precautions, protective equipment and emergency procedures*

Use protective equipment as specified in section 8 of SDS. Do not get in eyes.

*6.2 Environmental precautions*

Prevent large discharges to drains. Collect in a suitable container that is approved for this purpose. Bank up and collect.

*6.3 Methods and material for containment and cleaning up*

Rinse clean with plenty of water. Consider the risk of slipping. Only large-scale discharges can constitute a risk.

6.4 Reference to other sections

For personal protective equipment, see under section 8, and for waste see under section 13.

## SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

**Preventive handling precautions** Do not get in eyes. Wash hands thoroughly after handling.  
Avoid contact with acids and oxidising substances.

**General hygiene** Ensure good industrial hygiene.  
Wash hands before eating, drinking, or smoking.

7.2 Conditions for safe storage, including any incompatibilities

The package must be stored sealed and in a cool location. Store in the original container to avoid contamination. Can react with acids and oxidising substances. The product can attack certain plastics, rubber, painted and varnished surfaces.

7.3 Specific end use(s)

This product should only be used for those uses described in section 1.2

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

**National occupational exposure limits**

Ingredient	CAS no.	EC No.	Exposure limit mg/m <sup>3</sup> -ppm		Short-term exposure limit mg/m <sup>3</sup> -ppm		Remark	Source	Year
2-(2-butoxyethoxy)ethanol	112-34-5	203-961-5	67,5	10	101,2	15	-	EH40/2005 Workplace exposure limits	-
Sodiumhydroxide	1310-73-2	215-185-5	-	-	2	-	-	EH40/2005 Workplace exposure limits	-

8.2 Exposure controls

**Technical precaution measures** Ensure that eyewash station are close to the workplace.

**Eye / face protection** Wear protective goggles when there is a risk of eye contact. Safety glasses with side-shields conforming to EN166.

**Safety gloves** Wear protective gloves in the event of repeated or prolonged skin contact.  
When handling chemicals, only CE marked chemical-resistant gloves may be used. The gloves must conform to the standard EN 374.

**Other skin protection** Remove and wash contaminated clothing before re-use.

**Respiratory protection** Breathing protection is not normally required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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*9.1 Information on basic physical and chemical properties*

<b>Appearance, colour</b>	Yellowish
<b>Appearance, physical state</b>	Not applicable
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	Not applicable
<b>Density</b>	1070 kg/m <sup>3</sup>
<b>Evaporation rate</b>	Not applicable
<b>Explosive properties</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Form</b>	viscous liquid
<b>Initial boiling point and boiling range</b>	Not applicable
<b>Melting point / freezing point</b>	Not applicable
<b>Odour</b>	Slight odour.
<b>Odour treshold</b>	Not applicable
<b>Oxidising properties</b>	Not applicable
<b>Partition coefficient: n-octanol / water</b>	Not applicable
<b>pH in solution</b>	~13,00
<b>pH value</b>	Not applicable
<b>Relative density</b>	Not applicable
<b>Solubility</b>	Immiscible with water.
<b>Solubility in water</b>	100 %
<b>Upper / lower flammability or explosive limits</b>	Not applicable
<b>Vapour density</b>	Not applicable
<b>Vapour pressure</b>	Not applicable
<b>Viscosity</b>	Not applicable

*9.2 Other information*

Not applicable

**SECTION 10. STABILITY AND REACTIVITY**

*10.1 Reactivity*

Not applicable

*10.2 Chemical stability*

Stable

*10.3 Possibility of hazardous reactions*

Can react with acids and oxidising substances.  
Reacts with strong acids.

*10.4 Conditions to avoid*

Not applicable

*10.5 Incompatible materials*

Not applicable

*10.6 Hazardous decomposition products*

Not applicable

## SECTION 11. TOXICOLOGICAL INFORMATION

*11.1 Information on toxicological effects*

The product has a low toxicity, which means that the risk of injury during normal handling is small.

<b>Acute toxicity</b>	Ingestion of large amounts can result in: nausea, vomiting and stomach pains.
<b>Serious eye damage / irritation</b>	Severe eye irritation
<b>Irritation</b>	Inhalation of aerosol can cause irritation in the upper airways. Repeated or prolonged skin contact can result in skin irritation and/or dermatitis and sensitisation in susceptible individuals.
<b>Sensitisation</b>	Repeated or prolonged skin contact can result in skin irritation and/or dermatitis and sensitisation in susceptible individuals.
<b>Mutagenicity</b>	Not applicable
<b>Carcinogenicity</b>	Not applicable
<b>Reproductive toxicity</b>	Not applicable
<b>LD50 Oral</b>	2-(2-butoxyethoxy)ethanol ( rat ): 5660 mg/kg. Sodium metasilicate pentahydrate ( rat ): 847 mg/kg.
<b>LD50 Dermal</b>	2-(2-butoxyethoxy)ethanol ( rabbit ): 2700 mg/kg.

## SECTION 12. ECOLOGICAL INFORMATION

*12.1 Toxicity*

<b>Aquatic</b>	The product has a low level of toxicity to aquatic organisms.
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<b>Acute fish toxicity</b>	Sodiumhydroxide (LC50): (96 h) 45 mg/l. 2-(2-butoxyethoxy)ethanol (LC 50): 1300 mg/l.
<b>Acute algae toxicity</b>	2-(2-butoxyethoxy)ethanol (IC50): (72 h) 53 mg/l.
<b>Acute crustacean toxicity</b>	Sodiumhydroxide (EC50): (48 h) 30 mg/l. 2-(2-butoxyethoxy)ethanol (EC50): (48 h) > 100 mg/l.

*12.2 Persistence and degradability*

Biodegradable.

*12.3 Bioaccumulative potential*

Bio-accumulation is unlikely.

*12.4 Mobility in soil*

Not applicable

*12.5 Results of PBT and vPvB assessment*

Not applicable

*12.6 Other adverse effects*

Not applicable

*Other*

This assessment is based on the properties of the individual components.

## SECTION 13. DISPOSAL CONSIDERATIONS

*13.1 Waste treatment methods*

<b>Disposal considerations</b>	Local provisions and EU provisions must be followed during waste handling. Residue and used product that cannot be reused must be handled as hazardous waste. The company is affiliated to REPA.
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<b>Packaging</b>	Do not attempt to refill or clean the package. Emptied and cleaned packages can be recycled or incinerated. Empty packages must be handled in an environmentally correct manner according to applicable laws and provisions.
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*Other*

<b>Waste management</b>	The Waste Regulations 2011 No. 988 H4 Irritant: substances and preparations that are not corrosive, but that can cause inflammation in the event of direct, prolonged or repeated contact with the skin or mucous membranes.
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<b>Waste code (EWC)</b>	20 01 29* Detergents that contain hazardous substances.
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<b>Additional waste information</b>	The waste code (EWC) is a recommendation. In the event of non-compliant handling, the end user is personally responsible for a suitable EWC code.
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## SECTION 14. TRANSPORT INFORMATION

*14.1 UN number*

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Not applicable

*14.2 UN proper shipping name*

Not applicable

*14.3 Transport hazard class(es)*

Not applicable

*14.4 Packing group*

Not applicable

*14.5 Environmental hazards*

Not applicable

*14.6 Special precautions for user*

Not applicable

*14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code*

Not applicable

**SECTION 15. REGULATORY INFORMATION**

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

**EU regulations**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council, (REACH).  
European Parliament and Council Regulation (EC) No. 1272/2008, CLP.  
Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Annex II SDS.  
Regulation (EC) No 648/2004 of the European Parliament and of the council on detergents.

**National regulations**

EH40/2005 Workplace exposure limits  
Waste Ordinance (2011:927).

*15.2 Chemical safety assessment*

Not applicable

**SECTION 16. OTHER INFORMATION**

**Changes to previous revision**

Changes are made in the following sections: 3, 8, 11, 12.

**References to key literature and data sources**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council, (REACH).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council. .  
Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Annex II SDS.  
Regulation (EC) No 648/2004 of the European Parliament and of the council on detergents.  
EH40/2005 Workplace exposure limits  
Waste Ordinance (2011:927).  
Information also obtained from the constituent substances' safety data sheets.



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**Phrase meaning**

Eye Dam. 1 - Serious eye damage, hazard category 1

Eye Irrit. 2 - Eye irritation, hazard category 2

Met. Corr. 1 - Corrosive to metals, hazard category 1

Skin Corr. 1A - Skin corrosion, hazard category 1A

STOT SE 3 - Specific Target Organ Toxicity — Single exposure, hazard category 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.