

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

### 1.1 Product identifier

**Trade name** BPS 7300

**Article-no** 7300

### 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** 999

### 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 corrosion, hazard category 1A  
Acute toxicity, oral, hazard category 4

**Hazard statements** H302, H314

### 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** H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.

**Precaution statements** P270 Do no eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell.  
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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/doctor/  
P330 Rinse mouth.  
P363 Wash contaminated clothing before reuse.  
P405 Store locked up.

**2.3 Other hazards**

Not applicable

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

**3.2 Mixtures**

Chemical name	CAS No. EC No. REACH No.	Concentration	Classification	H-phrase
Ammonium bifluoride	1341-49-7 215-676-4 01-2119489180-38-	<10%	Skin Corr. 1B, Acute Tox. 3 - oral	H301, H314
Hydrochloric acid...%	7647-01-0 231-595-7 01-2119484862-27-	5 - 10%	Skin Corr. 1A, Acute Tox. 3 - inhalation	H314, H331
Isotridecanol, ethoxylated	9043-30-5 500-027-2 -	<5%	Eye Dam. 1, Acute Tox. 4 - oral	H302, H318

**Substance additional information**

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

**SECTION 4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

Rinse the skin and eyes immediately with plenty of water. Contact a doctor in the event of any wounds, even if the injury appears minor.

**Inhalation** Fresh air and rest.

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<b>Skin contact</b>	Wash contaminated skin immediately with water. Remove contaminated clothing immediately and continue washing. If available, rub calcium gluconate ointment into the affected area of skin. If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse immediately with a gentle, warm jet of water or eye wash for several minutes. If easy to do, remove contact lens, if worn. Keep eyelids wide apart. Visit a doctor or hospital immediately. Continue to rinse during transport.
<b>Ingestion</b>	If conscious, give the victim plenty of water to drink. After ingestion of fluorides, give milk or calcium gluconate through the mouth. Seek medical attention immediately. Visit a doctor or hospital immediately.

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

<b>Inhalation</b>	Fumes can have a strong irritant effect. Fumes can damage tooth enamel in the event of prolonged or repeated exposure.
<b>Skin contact</b>	Serious corrosive injuries with slow-healing wounds can occur.
<b>Eye contact</b>	Can cause serious, possibly permanent corrosive injuries to the eyes.
<b>Ingestion</b>	Ingestion can damage the throat and the gastrointestinal tract. Ingestion of the substance in concentrated form can cause serious internal injury.

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

Ensure that eyewash stations and safety showers are close to the workstation location.

## SECTION 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media** carbon dioxide (CO<sub>2</sub>) or dry chemical.  
Fire extinguishing methods: Water must only be used by firefighters.

**Unsuitable extinguishing media** Do not use a direct 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*

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Use protective equipment as specified in section 8 of SDS. Avoid contact with: Skin and eyes.

### 6.2 Environmental precautions

Prevent spreading by banking up with sand, soil or other suitable material. Prevent major discharges to drains, groundwater and surface water. In the event of major discharges into water, contact the waterworks or sewage works.

### 6.3 Methods and material for containment and cleaning up

Bank up or absorb spilled fluid using sand, soil or some other suitable material. Rinse clean with plenty of water. Only large-scale discharges can constitute a risk. In the event of major spillages, contact the emergency services.

### 6.4 Reference to other sections

Personal protection see section 8 and for disposal see section 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Preventive handling precautions

Use suitable protective equipment to prevent skin and eye contact. Wear suitable protective clothing to prevent contact with the skin. Do not handle the product in the vicinity of oxidising substances and strong bases.

#### General hygiene

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

Avoid contact with oxidising substances and strong bases. Plastic packaging. Keep tightly closed in a dry, cool and well-ventilated place. Store in a locked area that is inaccessible to children.

### 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		Short-term exposure limit		Remark	Source	Year
			mg/m <sup>3</sup> -ppm		mg/m <sup>3</sup> -ppm				
hydrochloric acid...%	7647-01-0	231-595-7	2	1	8	5	-	EH40/2005 Workplace exposure limits	-

### 8.2 Exposure controls

#### Technical precaution measures

Ensure that eyewash stations and safety showers are close to the workstation location. The workplace and working methods are designed so as to prevent direct contact.

#### Eye / face protection

Wear eye/face protection. Safety glasses with side-shields conforming to EN166.

#### Safety gloves

	Wear protective gloves. When handling chemicals, only CE marked chemical-resistant gloves may be used. The gloves must conform to the standard EN 374. Wear protective gloves made of: butylrubber, nitrile rubber or natural rubber.
<b>Other skin protection</b>	Wear suitable protective clothing to prevent contact with the skin. Wash contaminated clothing before re-use.
<b>Respiratory protection</b>	Breathing protection only in those cases where aerosol or mist can be formed. Breathing protection with type B filter (grey).
<b>Environmental exposure controls</b>	Try to prevent the material from entering drains or water courses.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance, colour</b>	colourless
<b>Appearance, physical state</b>	Not applicable
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	Not applicable
<b>Density</b>	1120 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>	Low viscosity liquid.
<b>Initial boiling point and boiling range</b>	Not applicable
<b>Melting point / freezing point</b>	Not applicable
<b>Odour</b>	hydrochloric acid
<b>Odour treshold</b>	Not applicable
<b>Oxidising properties</b>	Not applicable
<b>Partition coefficient: n-octanol / water</b>	Not applicable
<b>pH concentrate</b>	~0,10
<b>pH in solution</b>	~0,50
<b>pH value</b>	Not applicable
<b>Relative density</b>	Not applicable
<b>Solubility</b>	Miscible 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 under normal usage and storage conditions.

*10.3 Possibility of hazardous reactions*

Reacts strongly with alkalis.

*10.4 Conditions to avoid*

Not applicable

*10.5 Incompatible materials*

The product reacts with calciferous materials and dissolves them. In the event of contact with certain metals, hydrogen gas is formed, which together with air can form an explosive mixture.

*10.6 Hazardous decomposition products*

Not applicable

## SECTION 11. TOXICOLOGICAL INFORMATION

*11.1 Information on toxicological effects*

This product can cause skin and eye irritation as well as burns (corrosive effect).

<b>Acute toxicity</b>	Fumes can damage tooth enamel in the event of prolonged or repeated exposure. Ingestion can damage the throat and the gastrointestinal tract. Ingestion of the substance in concentrated form can cause serious internal injury.
<b>Serious eye damage / irritation</b>	Can cause serious, possibly permanent corrosive injuries to the eyes.
<b>Irritation</b>	Fumes can have a strong irritant effect.
<b>Corrosive effects</b>	Skin contact: Serious corrosive injuries with slow-healing wounds can occur.
<b>Sensitisation</b>	Not applicable

<b>Mutagenicity</b>	Not applicable
<b>Carcinogenicity</b>	Not applicable
<b>Repeated dose toxicity</b>	Not applicable
<b>Reproductive toxicity</b>	Not applicable
<b>LD50 Oral</b>	hydrochloric acid 34% ( rat ): 900 mg/kg. Ammonium bifluoride ( rat ): 130 mg/kg.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Local discharges of large volumes into aquatic environments can harm aquatic organisms.

<b>Aquatic</b>	Acute toxicity Temporary large discharges or frequent smaller discharges can have a harmful or destructive impact on the environment. Can change the water's pH.
<b>Soil</b>	Large volumes can be harmful to plants.
<b>Acute fish toxicity</b>	hydrochloric acid (LC50): (96 h) 232 mg/l. Ammonium bifluoride (LC50): (96 h) 10-100 mg/l.
<b>Acute crustacean toxicity</b>	hydrochloric acid (EC50): (48 h) > 56 mg/l. Ammonium bifluoride (EC50): (48 h) 10-100 mg/l.

### 12.2 Persistence and degradability

The product is easily biodegradable.

### 12.3 Bioaccumulative potential

Non bio-accumulable in aquatic environments.

### 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

**Disposal considerations** Local provisions and EU provisions must be followed during waste handling. Containers with residual content constitute hazardous waste. The company is affiliated to REPA.

**Packaging** Do not use metal containers. Packages can be cleaned and recycled.

*Other*

**Waste management** The Waste Regulations 2011 No. 988  
H 5 Harmful to health: The waste contains a substance or preparation that can result in limited damage to health when inhaled, ingested or absorbed through the skin.  
H 8 Corrosive: The waste contains a substance or preparation that can damage living tissue in the event of contact.

**Waste code (EWC)** 20 01 29\* Detergents that contain hazardous substances.

**Additional waste information** 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.

## SECTION 14. TRANSPORT INFORMATION

*14.1 UN number*

3264

*14.2 UN proper shipping name*

**Name** CORROSIVE ACIDIC INORGANIC LIQUID, N.O.S. ( hydrochloric acid )

**IMDG proper shipping name** CORROSIVE ACIDIC INORGANIC LIQUID, N.O.S. (hydrochloric acid)

*14.3 Transport hazard class(es)*

**Label** 8

**ADR / RID Class** 8

**ADR / RID Classification code** C1

**ADR / RID hazard identification number** 80

**IMDG Class** 8

**IMDG Marine Pollutant** NO

**IMDG EmS** F-A, S-B

**IATA Class** 8

*14.4 Packing group*

II

*14.5 Environmental hazards*

Not applicable

*14.6 Special precautions for user*



Corrosive.  
Tunnel restriction code: E

*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*

<b>EU regulations</b>	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.
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<b>National regulations</b>	EH40/2005 Workplace exposure limits Waste ordinance (2011:927). MSBFS 2015:1 Regulations regarding the transport of hazardous goods by road and off road (ADR-S).
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*15.2 Chemical safety assessment*

Not applicable

## SECTION 16. OTHER INFORMATION

<b>Changes to previous revision</b>	Changes are made in the following sections: 2, 3, 11, 12, 13, 15, 16.
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<b>References to key literature and data sources</b>	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). MSBFS 2015:1 Regulations regarding the transport of hazardous goods by road and off road (ADR-S). www.prevent.se C&L Inventory database Information also obtained from the constituent substances' safety data sheets.
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<b>Phrase meaning</b>	Acute Tox. 3 - inhalation - Acute toxicity, inhalation, hazard category 3 Acute Tox. 3 - oral - Acute toxicity, oral, hazard category 3 Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4 Eye Dam. 1 - Serious eye damage, hazard category 1 Skin Corr. 1A - Skin corrosion, hazard category 1A Skin Corr. 1B - Skin corrosion, hazard category 1B H301 - Toxic if swallowed. H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H318 - Causes serious eye damage. H331 - Toxic if inhaled.
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