

Safety Data Sheet

SECTION 1: NAME OF SUBSTANCE/MIXTURE AND COMPANY/BUSINESS

1.1 Product designation

TOBIN EYEWASH SYSTEM 1000 ml **phosphate** buffered solution, TOBIN EYEWASH SYSTEM 500 ml **phosphate** buffered solution and TOBIN EYEWASH SYSTEM 200 ml **phosphate** buffered solution.

Commodity code: 77 and 94

1.2 Relevant identified uses for the substance/mixture and uses which are advised against

Uses: Eye wash, used as a first aid measure to neutralise acids and alkalis.

Uses which are advised against: The product should not be taken orally.

1.3 Information on the supplier of the safety data sheet

Manufacturer/Supplier: Tobin Sweden AB, Arntorpsgatan 26, 442 45 Kungälv, Sweden.

National contact person: Stig Andersson, CEO.

Telephone number and email for more information about this product: +46 303 309410 / info@tobinSweden.se

1.4 Telephone number for emergencies

In case of emergency call **112** ([Swedish Poisons Information Centre](#)).

Swedish Poisons Information Centre, non-emergency: call 010-4566700;

<http://www.giftinformation.se>

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

2.2 CLP-Classification

This product does not meet the criteria for classification in any hazard class according to Regulation (EG) no. 1272/2008 (CLP) on the classification, labelling and packaging of substances and mixtures. However, a safety data sheet will be provided upon request.

2.3 Other hazards

Product: Risk of corneal calcification with prolonged treatment.

SECTION 3: COMPILATION/INFORMATION ON CONSTITUENT PARTS

Weight	Component	CAS Number
4,4 g	Sodium dihydrogen phosphate monohydrate	10049-21-5
40,4 g	di-Sodium hydrogen phosphate	7558-79-4
1000 g	Purified Water	7732-18-5

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

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General comments: The product is intended as a first aid measure. Always seek medical attention if acid or alkali come into contact with the eye.

On inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms occur.

On contact with skin: Rinse with water. Get medical attention if symptoms occur.

On contact with eyes: The product is an eye wash. After initial rinsing, rinse with saline solution or water.

On swallowing: Do NOT induce vomiting. Give victim 1-2 glasses of water. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person.

SECTION 5: FIREFIGHTING MEASURES

5.1 Appropriate extinguishing agent

Appropriate extinguishing agent: The product is not flammable. Use the appropriate extinguishing agent for the fire.

Inappropriate extinguishing agent: The product is not flammable. Use the appropriate extinguishing agent for the fire.

5.2 Specific hazards arising from the substance or mixture

Hazardous combustion products: None known.

5.3 Advice for firefighting staff

The product does not constitute any specific risk in case of fire.

SECTION 6: ACTIONS IN CASE OF ACCIDENTAL EMISSIONS

6.1 Personal precautions, protective equipment and emergency procedures: No specific actions.

6.2 Environmental actions: The buffer solution should be poured into sewage system with sewage treatment plant.

SECTION 7: MANAGEMENT AND STORAGE

7.1 Precautions for safe management

Protective actions: The products useful life can be shortened by UV-radiation. Therefore, the product should not be stored in direct sunlight.

Fire protection action: No specific actions.

Actions to prevent the formation of aerosols and dust: No specific actions.

General advice on hygiene in the workplace: No specific actions.

7.2 Conditions for safe storage, including any inconsistencies

Technical actions and storage conditions: Storage temperature: 2-35°C Keep away from UV-radiation. UV-radiation shortens shelf-life.

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Packaging materials: Polypropylene

7.3 Specific end use

Recommendations: Follow the instructions on the product label carefully. If possible, practice using the product.

SECTION 8: LIMIT OF EXPOSURE/PERSONAL PROTECTION

8.1 Control parameters: No specific parameters, pay attention to the instructions on the product label.

8.2 Restriction of exposure

8.2.1 Appropriate technical protection measures

Substance- or mixture-related measures aimed at preventing exposure in established usage: No specific actions.

Organisational measures aimed at preventing exposure: No specific action.

Technical measures aimed at preventing exposure: No specific action.

8.2.2 Personal protection equipment: The product is an eye wash.

Eye/face protection: No specific action.

Skin protection: No specific action.

Hand protection: No specific action.

Other skin protection: No specific action.

Respiratory protection: No specific action.

Thermal hazard: No specific action.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic and chemical properties

Appearance: Liquid	Colour: No colour	Smell: No smell	pH value (concentrate) 7.0–8.0
Dynamic viscosity: No data available.	Flash point: Non-flammable	Boiling point: 100°C	Vapour pressure: No data available.
Relative density: No data available.	Melting point/freezing point: - / 0°C	Ignition temperature: Non-flammable	Molar mass: No data available.
Solubility in water: Total	Explosivity limit: Not explosive.		

SECTION 10: STABILITY AND REACTIVITY

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10.1 Reactivity: Not reactive.

10.2 Chemical stability: Stable under normal conditions. Stable under recommended storage temperatures.

10.3 Risk of hazardous reactions: No risk of hazardous reactions.

10.4 Conditions to avoid: Extreme temperatures (recommended storage temperatures are on the product label). The product's useful life can be shortened by UV-radiation. Therefore, the product should not be stored in direct sunlight. Extreme temperatures or UV-radiation do not constitute a potential danger but can degrade the quality of the product.

10.5 Incompatible materials: None known.

10.6 Hazardous decomposition products: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Emergency toxicity: No data available.

ATE_{mix} (oral) = No data available.

ATE_{mix} (dermal) = No data available.

ATE_{mix} (inhaled) = No data available.

Information on individual constituents

Sodium Oral LD50>3000mg/kg(RAT)

Chloride Inhaled. LC50>53mg/m31h(RAT)

11.2 Other information

Contains: Sodium dihydrogen phosphate monohydrate. Can cause corneal calcification with prolonged treatment of chemical burns in the eye. Always rinse the eye with saline solution after initial rinsing with phosphate buffer.

Contains: di-Sodium hydrogen phosphate. Can cause corneal calcification with prolonged treatment of chemical burns in the eye. Always rinse the eye with saline solution after initial rinsing with phosphate buffer.

When the product is used as instructed, there are no harmful effects.

Data for Sodium dihydrogen phosphate monohydrate CAS No. 10049-21-5.

Acute Toxicity:

LD50 (dermal, rabbit): >7940 mg/kg (anhydrous substance) (IUCLID).

LD50 (oral, rat): 8290 mg/kg (anhydrous substance) (RTECS).

Specific symptoms in animal studies:

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Eye irritation test (rabbit): Slight irritations (IUCLID).

Property which must be anticipated on the basis of the chemical/physical data:

After eye contact: Slight irritations.

No toxic effects are to be expected when the product is handled appropriately.

Data for di-Sodium hydrogen phosphate CAS No. 7558-79-4.

Acute Toxicity:

LD50 (oral, rat): 17000mg/kg (RTECS).

Subacute to chronic toxicity

Bacterial mutagenicity: Ames test: negative. (in vitro) (National Toxicology Program)

Further Toxicological information

Possible effects: After long-term exposure of the chemical:

After skin contact: Slight irritations.

After eye contact: Slight irritations.

Inhalation: No risk under normal conditions.

Eyes: May cause slight irritations.

Skin: May cause slight irritations.

Ingestion: May cause harm if swallowed in large quantities.

SECTION 12: ECOLOGICAL INFORMATION

The following data has been determined on the basis of the individual components of the preparation.

12.1 Toxicity

Information on individual constituents

Toxicity to fish (LC50): 497 mg/l /48h

Daphnia (EC50): 1089mg/l /48h

12.2 Persistence and degradability

Expected to be biodegradable.

12.3 Bioaccumulative potential

No bioaccumulation expected.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

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Not applicable.

12.6 Other harmful effects

No data available.

12.7 Other information

No ecological problems are expected when handling and using the product with appropriate care and caution.

SECTION 13: WASTE DISPOSAL

13.1 Waste management systems

13.1.1 Disposal of product/packaging: Disposal should be in accordance with regional, national and local laws and regulations. We recommend that you contact the responsible authority or approved waste management company who can advise on waste management on polypropylene.

Waste codes/waste designations according to the European Waste List:

13.1.2 Relevant information on waste management: See item 13.1.1

13.1.2 Relevant information on sewage management: The buffer solution should be poured into sewage system with sewage treatment plant.

13.1.4 Other recommendations for waste management: No specific information.

SECTION 14: TRANSPORT INFORMATION

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number	-	-	-	-
14.2. Official transport designation	Non-hazardous goods	Non-hazardous goods	Non-hazardous goods	Non-hazardous goods
14.3. Hazard classification for transport	-	-	-	-
14.4. Packaging group	-	-	-	-
14.5. Environmental hazards	Not applicable	Not applicable	Not applicable	Not applicable
14.6. Special precautions for users	Not applicable	Not applicable	Not applicable	Not applicable
14.7. Bulk transport according to Annex II to the Marpol and IBC Code	Not applicable	Not applicable	Not applicable	Not applicable

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SECTION 15: APPLICABLE REGULATIONS

15.1 Safety/health and environmental regulations/legislation regarding the substance or mixture

The product is a medical device, class 1s according to the medical technical directive 93/42 / EEC.



This symbol means that this is a single-use device.

15.2 Chemical Safety Assessment

For this substance/mixture there is no requirement for any chemical safety assessment.

SECTION 16: OTHER INFORMATION

16.1 Information on changes

No information available.

16.2 Abbreviations

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16.3 Referrals to important literature references and data sources

No information available.

16.4 Other information

The information in this safety data sheet is based on current knowledge and is believed to accurate. The purpose is to characterise the product with regard to applicable precautions. It does not represent a guarantee of the product's properties.