

SAFETY DATA SHEET

SHOE SHIELD

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

Section 1: Identification of the substance/preparation and company/undertaking

1.1. Product identifier

Product name: Shoe shield

Product code: 201802

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

End uses: Shoe protection, Shoe care

1.3. Details of the supplier of the safety data sheet

Supplier: Brunngard Group AB

Elementgatan 10

504 64 Borås

Sweden

Tel: 46 33 723 23 00

Fax: 46 33 723 23 23

info@brunngard.se

1.4. Emergency telephone number

National emergency telephone number: Call 112 in case of emergency and request poison information both day and night. Call your national poison information centre in case of further questions about acute poisoning. Mon - Fri 08:00 till 17:00.

Section 2: Hazards identification

2.1. Classification of the substance or mixture Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Eye irritation 2B, H319

Environmental hazards Not Classified

2.2. Label elements

Hazard statements Not Classified

Precautionary statements P102 Keep out of reach of children.

Supplementary precautionary statements P305+P351+P338

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

P337+P313

If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Other hazards:

No further relevant information available.

Section 3: Composition/information on ingredients

3.2. Mixtures

<u>CAS No</u>	<u>EC No</u>	<u>[weight] (%)</u>	<u>Name</u>	<u>Classification</u>
97-90-5	202-617-2	3%	Ethylene dimethacrylate	Skin Sens. 1, H317 STOT SE 3, H335 STOT SE 3; H335: C ≥ 10 %
67-63-0	200-661-7	2%	Isopropanol	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
7631-86-9	231-545-4	2%	Silicon dioxide	Not classified
7732-18-5	231-791-2	93%	Pure Water	Not classified

The full text for all hazard statements is displayed in Section 16.

Composition comments

No comments.

Section 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Wash skin thoroughly with soap and water. Cool skin rapidly after contact with melting or burning products. Obtain medical attention for thermal burns.
Eye contact	Immediately rinse with water, occasionally lifting the upper and lower eyelids. Get medical attention if any discomfort continues.
Ingestion	Drink a few glasses of water or milk. DO NOT induce vomiting. Get medical attention Immediately.

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

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Ingestion	Due to the physical nature of this product, it is unlikely that ingestion will occur. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact	Skin irritation.
Eye contact	May cause temporary eye irritation.

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

Notes for the doctor	No specific recommendations.
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Section 5 Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with water spray, dry chemical, carbon dioxide, or chemical foam. Cool containers with water until fire is out.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Heating will release harmful gases, Negligible explosion hazard.
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5.3. Advice for firefighters

Protective actions during firefighting	Decomposes at high temperatures, resulting in toxic and corrosive products. Containers may explode when heated. Flash point: >110°C.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	For personal protection, see Section 8.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up Large Spillages

Contain and absorb spillage with sand, earth or other non-combustible material.

Small Spillages

Wipe away with paper or textile fabric. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8.
For waste disposal, see section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Handling of plastic may form nuisance dust. Protect personnel. Handling of pneumatic material and processing equipment may generate dust of sufficiently small particle size that, when suspended in air, may be explosive. Dust accumulations should be controlled through a comprehensive dust control program that includes, but is not limited to, source capture, inspection and repair of leaking equipment, routine housekeeping and employee training in hazards. See NFPA654.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep in a cool place. Ground all equipment containing material. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Section 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Appropriate engineering Controls

All handling should only take place in well-ventilated areas.

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Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Chemical splash goggles or face shield.
Hand protection	It is recommended that chemical-resistant, impervious gloves are worn. It is recommended that gloves are made of the following material: Nitrile rubber. Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber).
Other skin and body protection	No special protective clothing is required.
Hygiene measures and using the toilet.	Wash at the end of each work shift and before eating, smoking
Respiratory protection	No specific recommendation made.
Environmental exposure controls	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

Section 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour	White
Odour	Slight odour.
Odour threshold	Not determined.
pH	6
Melting point	<0°C
Initial boiling point and range	Not determined.
Flash point	>110°C
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (liquid)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	>1 (water=1)
Solubility	Soluble in water.
Viscosity	Not determined.
Explosive properties	Not determined.

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Section 10: Stability and reactivity**10.1. Reactivity****Reactivity**

There are no known reactivity hazards associated with this product.

10.2. Chemical stability**Stability**

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions**Possibility of hazardous
Reactions**

Not known.

10.4. Conditions to avoid**Conditions to avoid**

Not known.

10.5. Incompatible materials**Materials to avoid**

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products**Hazardous decomposition
products**

The following combustion products may be generated: carbon dioxide, carbon monoxide, water vapor, and trace volatile organic compounds.

Section 11: Toxicological information**11.1. Information on toxicological effects****Toxicological effects**

No data is available regarding the preparation itself.

Toxicity to animals

LD50: Oral >5000mg/kg.
LC50: Not available.

Chronic effects on humans

CARCINOGENIC EFFECTS: Classified NONE by NTP,
NONE by OSHA. 3 (Not classified for humans) by IARC.

Other toxic effects on humans

None

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Section 12: Ecological information

Ecotoxicity	May cause long-term adverse effects in the environment.
Environmental precautions	It must be disposed of by incineration or in an authorized waste deposit.

12.1. Toxicity

Toxicity	No data is available regarding the preparation itself.
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12.2. Persistence and degradability

Persistence and degradability	There are no data on the degradability of this product.
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12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Partition coefficient	Not determined.

12.4. Mobility in soil

Mobility	No information available.
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Section 13: Disposal considerations

13.1. Waste treatment methods

General information	The manufacturer of this product complies with the rules and regulations of the European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste, by paying packaging fees for disposal and recycling of packaging waste.
Disposal methods	All plastic parts are sorted as plastic. Recommended disposal according to national regulations and must not be disposed together with household garbage.

Section 14 Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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<u>14.1. UN number</u>	Not applicable.
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<u>14.2. UN proper shipping name</u>	Not applicable.
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<u>14.3. Transport hazard class(es)</u>	No transport warning sign required.
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14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous
substance/marine pollutant

Not available.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not relevant.

Section 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16: Other information

Revision date 13/09/2018

Revision 2

Supersedes date 01/04/2018

SDS number JST201804040701

Hazard statements in full

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

16.1. Content

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The contents and format of this SDS are in accordance with ISO Commission Directive ISO11014:2009(GHS), Regulation (EC) No 1907/2006 (REACH) And EU Regulation EC No 1272/2008 (CLP).

16.2. DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

16.3. Abbreviations and acronyms:

ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG	International Maritime Code for Dangerous Goods IATA: International Air Transport Association
ICAO	International Civil Aviation Organization
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH	American Conference of Governmental Industrial Hygienists
DNEL	Derived No-Effect Level (REACH)
PNEC	Predicted No-Effect Concentration (REACH)
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent