

SAFETY DATA SHEET

According to Regulation (EC) No. 453/2010

Hendlex SHOES PROTECT

Revision Date 2018.06.14

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA



1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Hendlex SHOES PROTECT

1.2 Relevant identified uses of the mixture and uses advised against

Identified uses: hydrophobic/oleophobic coating for suede leather

1.3 Details of the supplier of the safety data sheet

Company :

UAB BALTIC NANO TECHNOLOGIES

Pramones pr. 4K,

LT-51329 Kaunas

Lithuania

+370 646 11777

Telephone :

E-mail address :

info@nanotechnologijos.lt

1.4 Emergency telephone number

Information in case of emergency : +370 5 236 20 52

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not a hazardous mixture according to Regulation (EC) No 1272/2008.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Labelling not required according to EU-CLP Ordinance (1272/2008).

2.3 Other hazards

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

3. Composition/information on ingredients

3.1 Substances

Hazardous ingredients according to Regulation (EC) No 1272/2008

No components need to be disclosed according to the applicable regulations.

4. First aid measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If aerosol or mists are formed: If necessary: Provide with fresh air.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Rinse thoroughly with plenty of water keeping eyelid open. In case of persistent discomfort: Consult an ophthalmologist.

If swallowed

Have the mouth rinsed with water. After absorbing large amounts of substance / In case of discomfort: Supply with medical care.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

None known

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Hazards None known

4.3 Indication of any immediate medical attention and special treatment needed
no data available

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet, foam, carbon dioxide (CO₂), dry powder

5.2 Special hazards arising from the substance or mixture

Standard procedure for chemical fires.

5.3 Advice for firefighters

Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In case of fire: wear a self contained respiratory apparatus

5.4 Further information

Use water spray to cool unopened containers.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2 Environmental precautions

Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Fill into marked, sealable containers. To be disposed of in compliance with existing regulations.

6.4 Reference to other sections

Wear personal protective equipment; see section 8. Disposal considerations; see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Do not inhale mist / aerosols. Avoid contact with skin and eyes. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion

Take precautionary measures against static charges, keep away from sources of ignition.

Storage

Keep containers tightly closed in a cool, well-ventilated place.

Further information

Keep tightly sealed in original packing. Protect from frost.

7.3 Specific end use(s)

No further information available. Applications: see Section 1.

8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

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8.2 Exposure controls

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Appropriate engineering controls

Provide for good ventilation if vapours/aerosols are formed.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,4 mm

Break through time: 480 min

Material tested:Camatril® (KCL 730 / Aldrich Z677442, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,2 mm

Break through time: 60 min

Material tested:Dermatril® P (KCL 743 / Aldrich Z677388, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,

test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance

Form: liquid

Colour: colourless/yellowish slightly turbid

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b) Odour	almost odourless
c) Initial boiling point and boiling range	97 °C (1013 hPa)
d) Flash point	> 95 °C - closed cup
e) Upper/lower flammability or explosive limits	not determined
f) Vapour pressure	23,4 hPa (20 °C) Water
g) Relative density	1-1,1 g/cm ³ (20 °C)
h) Viscosity, dynamic	ca. 1,6 mPa.s (20 °C)

10. Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

None known

11. Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

LD50 Rat: > 2000 mg/kg

Method: OECD 423

Assessment: The substance or mixture has no acute oral toxicity

Acute oral toxicity

LC50 Rat: > 5,5 mg/l / 4 h / dust/mist

Method: OECD Test Guideline 403

Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity

No data available

Skin irritation

Rabbit: No skin irritation

Method: OECD Test Guideline 404

Eye irritation

Rabbit: No eye irritation

Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Guinea pig: Does not cause skin sensitisation.

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Method: OECD Test Guideline 406 (Magnusson-Kligman test)

Germ cell mutagenicity

No data available

Repeated dose toxicity

inhalative Rat

Testing period: 90 d

No toxicological effects relevant to classification

Assessment of STOT single exposure

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Assessment of STOT repeat exposure

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Risk of aspiration toxicity

No evidence of aspiration toxicity

Gentoxicity in vitro

Ames test Salmonella typhimurium

no evidence of mutagenic effects

Method: OECD TG 471

Carcinogenicity

No evidence that cancer may be caused.

Toxicity to reproduction

No data available

12. Ecological information

12.1 Toxicity

Toxicity to fish LC50 Brachydanio rerio: > 1000 mg/l / 96 h
Method: OECD TG 203
LC0 Brachydanio rerio: >= 1000 mg/l / 96 h
Method: OECD TG 203

12.2 Persistence and degradability

Exposure time: 28 d
Result: 62 % Readily biodegradable.
Method: (CO₂; modif. Sturm test / OECD 301 B)

12.3 Bioaccumulative potential

Low

12.4 Mobility in soil

Adsorption on the floor: low.

12.5 Results of PBT and vPvB assessment

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

12.6 Other adverse effects

The data we have at our disposal do not necessitate identification concerning environmental hazard.

13. Disposal considerations

13.1 Waste treatment methods

Product

With respect to local regulations, e.g. dispose of to suitable waste incineration plant.

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Contaminated packaging

Dispose of as unused product.

14. Transport information

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: -

IMDG: -

IATA: -

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

No data available

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

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

Major Accident Hazard Legislation: Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

listing: not applicable

15.2 Chemical Safety Assessment

No chemical safety assessment is required for this product.

16. Other information

Full text of H-Statements referred to under sections 2 and 3.

STOT SE Specific target organ toxicity - single exposure

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.