

According to directive 1907/2006/EC, 2020/878

Version 3.0

Revision Date: 14-01-2023

Page 1 from 7

Print Date: 30-3-2023

Trade name: Pataplast

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identification:

Product name: Pataplast.
REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
CAS-No.: 24980-41-4

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

Application: Footwear industry, Automotive industry, Pharmaceuticals, Film, Laboratory chemicals, manufacture of substances

Uses advised against: Not identified

1.3 Details of the supplier of the safety data sheet:

Responsible distributor : ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency Phone Number:

For Belgium: Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.
NHS 24 Direct: For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Directive (EC) No 1272/2008 and its amendments.

The substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]:

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

2.3 Other hazards:

Hazards not otherwise classified (HNOC):

Substance not yet fully tested. Due to the structure of the substance and studies made on similar products we assume that the product is unclassified.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain any components believed to have endocrine disrupting properties, according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 on level 0.1% or higher.

According to directive 1907/2006/EC, 2020/878

Version 3.0

Revision Date: 14-01-2023

Page 2 from 7

Print Date: 30-3-2023

Trade name: Pataplast

Toxicological information:

The substance/mixture does not contain any components believed to have endocrine disrupting properties, according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 on level 0.1% or higher.

SECTION 3: Composition and information on ingredients

3.1 Substance:

Synonyms: 6-Caprolactone polymer

Formula: (C6H10O2)_n

CAS-No.: 24980-41-4

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

SECTION 4: First aid measures

4.1 Description of first aid measures:

If inhaled

After inhalation: fresh air.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing.

Rinse skin with water/ shower.

In case of eye contact

After eye contact: rinse out with plenty of water.

Remove contact lenses.

If swallowed

After swallowing: make victim drink water (two glasses at most).

Consult doctor if feeling unwell.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

No further relevant information available.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Water | Foam | Carbon dioxide (CO₂) | Dry powder.

Unsuitable extinguishing media:

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture:

Carbon oxides

Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters:

In the event of fire, wear self-contained breathing apparatus.

5.4 Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures for the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel:

Avoid inhalation of dusts.

According to directive 1907/2006/EC, 2020/878
Version 3.0 Revision Date: 14-01-2023
Trade name: Pataplast

Page 3 from 7
Print Date: 30-3-2023

Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.

6.2 Environmental precautions:

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up:

Cover drains.

Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7 and 10).

Take up dry.

Dispose of properly.

Clean up affected area.

Avoid generation of dusts.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling

Ensure adequate ventilation, especially in confined areas.

Protect from direct sunlight.

Keep away from heat.

7.2 Conditions for safe storage, including any incompatibilities:

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

7.3 Specific end use:

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2 Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Eye/face protection

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

Safety glasses.

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use.

When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374, please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Full contact

Material:	Nitrile rubber
Minimum layer thickness:	0,11 mm
Break through time:	480 min
Material tested:	KCL 741 Dermatril® L

Splash contact

Material:	Nitrile rubber
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According to directive 1907/2006/EC, 2020/878

Version 3.0

Revision Date: 14-01-2023

Page 4 from 7

Print Date: 30-3-2023

Trade name: Pataplast

Minimum layer thickness: 0,11 mm
Break through time: 480 min
Material tested: KCL 741 Dermatril® L

Respiratory protection

Required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type:

Filter type P1

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance: Solid white
Odor: Odorless
Odor threshold: Not applicable
Ph: No information available
Melting point: 60°C / 140°F
Boiling point: Not determined
Flash point: 275°C / 527°F
Evaporation rate: No information available
Flammability (solid, gas): Not determined

Explosive limits

Upper explosive limit: Not applicable
Lower explosive limit: Not applicable
Vapor pressure: Not determined
Vapor density: Not applicable
Relative density: No information available
Water solubility: Insoluble in water
Solubility(ies): No information available
Partition coefficient : No information available
Autoignition temperature: No information available
Decomposition temperature: 200°C
Kinematic viscosity: No information available
Dynamic viscosity: Not applicable
Explosive properties: Not explosive
Oxidizing properties: Not oxidizing
Density: 1.1 g/cm³ (@60°C)
Bulk density: No information available

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Forms explosive mixtures with air on intense heating.

A range from approx. 15 Kelvin below the flash point is to be rated as critical.

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

According to directive 1907/2006/EC, 2020/878

Version 3.0

Revision Date: 14-01-2023

Page 5 from 7

Print Date: 30-3-2023

Trade name: Pataplast

10.2 Chemical Stability:

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Potential Hazardous Reactions:

None under normal processing.

10.4 Conditions to Avoid:

To avoid thermal decomposition, do not overheat.

10.5 Chemically Interacting Materials:

Avoid contact with acids.

Avoid contact with bases.

10.6 Hazardous Decomposition Products:

Possible decomposition and release of monomer at temperatures above 200°C.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Information on likely routes of exposure

Inhalation, Dermal.

Symptoms related to the physical, chemical and toxicological characteristics

None known.

Numerical measures of toxicity

None known.

Acute toxicity

Caution - substance not yet fully tested.

Due to the structure of the substance and studies made on similar products we assume that the product is unclassified.

The polymer is not bioavailable because of its molecular size.

Skin corrosion/irritation

No information available.

Serious eye damage/eye irritation

No information available.

Respiratory or skin sensitization

No sensitising effects known.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

Developmental Toxicity

No information available.

Teratogenicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

11.2 Information on other hazards

The substance/mixture does not contain any components believed to have endocrine disrupting properties, according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 on level 0.1% or higher.

According to directive 1907/2006/EC, 2020/878
Version 3.0 Revision Date: 14-01-2023
Trade name: Pataplast

Page 6 from 7
Print Date: 30-3-2023

SECTION 12: Ecological information

12.1 Toxicity:

The polymer is not bioavailable because of its molecular size.

This mixture consists of component(s) of unknown hazards to aquatic environments.

12.2 Persistence and Degradability:

No information available.

Other information: The product is readily biodegradable.

12.3 Bioaccumulation:

No information available.

12.4 Mobility in Soil:

No information available.

Additional ecological information:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: No.

vPvB: No.

12.6 Hormone-disrupting properties

The substance/mixture does not contain any components believed to have endocrine disrupting properties, according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 on level 0.1% or higher.

12.7 Other Harmful Effects:

No further relevant information available.

SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

Product

See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

Uncleaned packaging:

Contaminated packaging materials must be disposed of in the same manner as the product.

Recommendation:

Disposal must be made according to applicable regional, national and local laws and regulations.

SECTION 14: Information relating to carriage

14.1 UN number

The transport of this substance is not subject to regulations.

14.2 Proper load name according to UN Model Regulations

The transport of this substance is not subject to regulations.

14.3 Transport hazard class(es)

The transport of this substance is not subject to regulations.

14.4 Packing group

The transport of this substance is not subject to regulations.

14.5 Environmental hazards

The transport of this substance is not subject to regulations.

14.6 Special precautions for the user

The transport of this substance is not subject to regulations.

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

Notes:

Not applicable for product as delivered.

According to directive 1907/2006/EC, 2020/878

Version 3.0

Revision Date: 14-01-2023

Page 7 from 7

Print Date: 30-3-2023

Trade name: Pataplast

SECTION 15: Legally required information

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment:

A Chemical Safety Assessment has not been carried out for this substance.

SECTION 16: Other information

Advice on training:

Minimum training is recommended to prevent industrial hazards for personnel using this product and to facilitate their understanding and interpretation of this safety data sheet and the label on the product.

Main bibliographic sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

As we do not know the operating conditions of the user, the information provided in this safety data sheet is based on our knowledge and on national and Community regulations. The mixture may not be used for purposes other than those indicated in section 1 without prior written processing instructions. It is always the responsibility of the user to take all necessary measures to comply with the requirements of laws and local regulations.

The information provided in this safety data sheet must be regarded as a description of the safety requirements relating to this substance and not as a guarantee of its properties.

DISCLAIMER:

We declare to the best of our knowledge that the information contained in this safety data sheet corresponds to our knowledge at the time of printing. The information shall contain instructions for the safe handling of the product named in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. If the product is mixed with other material or processed, the information in this safety data sheet is not necessarily transferable to the new material produced in this way.