

Trade name: Polysorbatum 20 / Pharmaton

Substance number: 267205

Version: 2 / CH

Date revised: 16.04.2015

Replaces Version: 1 / CH

Print date: 16.04.15

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

1.1. Product identifier

Polysorbatum 20 / Pharmaton

Item No. 26720500

Registration no.

CAS No. 9005-64-5

Substance / product identification ***

INCI Polysorbate 20

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Does not require a hazard warning label, but the normal safety precautions for handling of chemicals must be observed.

2.2. Label elements

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

Does not require a hazard warning label, but the normal safety precautions for handling of chemicals must be observed.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

Sorbitanmonolaurat, ethoxylated

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No special measures necessary.

After inhalation

Ensure supply of fresh air.. In the event of symptoms take medical treatment.

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After skin contact

In case of contact with skin wash off with warm water.. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).. In case of irritation consult an oculist.

After ingestion

Take medical treatment.

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

Until now no symptoms known so far.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet, Alcohol-resistant foam, Extinguish greater fire with water spray or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

No special measures required.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Not required.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust).

6.4. Reference to other sections

Information regarding Safe handling, see Section 7.. Information regarding personal protective measures, see Section 8.. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

No special measures necessary if stored and handled as prescribed.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

No special measures required.

Hints on storage assembly

Not required.

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Further information on storage conditions

None.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Other information**

Contains no substances with occupational exposure limit values.

8.2. Exposure controls**Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary.

Hand protection

Protective gloves

Eye protection

Safety glasses

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

| | | | |
|----------------------------------|------------------|-----|-------------------|
| Form | liquid | | |
| Colour | yellowish | | |
| Odour | almost odourless | | |
| pH value | | | |
| Value | appr. 6 | | |
| Concentration/H ₂ O | 100 | g/l | |
| Freezing point | | | |
| Value | < 0.0 | | °C |
| Flash point | | | |
| Value | > 150 | | °C |
| Density | | | |
| Value | appr. 1.11 | | g/cm ³ |
| Temperature | 25 | °C | |
| Decomposition temperature | | | |
| Remarks | not determined | | |
| Viscosity | | | |
| dynamic | | | |
| Value | appr. 400 | | mPa.s |
| Temperature | 25 | °C | |

9.2. Other information**Other information**

None known

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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

| | | | |
|---------|-----|-------|-------|
| Species | rat | | |
| LD50 | > | 35000 | mg/kg |

Skin corrosion/irritation

Remarks No effect of irritation known.

Serious eye damage/irritation

Remarks No effect of irritation known

Sensitization

Remarks No sensitisation effect known.

Other information

By appropriate use of the product no health damage is known.

SECTION 12: Ecological information

12.1. Toxicity

General information

There is no data available on the product apart from the information given in this subsection.

12.2. Persistence and degradability

Biodegradability

| | | |
|--------|---------------------------------|---|
| Value | appr. 37 | % |
| Method | OECD 302B/ISO 9888/EEC 88/302,C | |

12.3. Bioaccumulative potential

General information

There is no data available on the product apart from the information given in this subsection.

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12.4. Mobility in soil

General information

There is no data available on the product apart from the information given in this subsection.

12.5. Results of PBT and vPvB assessment

General information

There is no data available on the product apart from the information given in this subsection.

12.6. Other adverse effects

General information

There is no data available on the product apart from the information given in this subsection.

General information / ecology

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 16 03 05* organic wastes containing dangerous substances
Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

Land transport ADR/RID

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

14.5. Environmental hazards

no

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information

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

Water Hazard Class (Germany)

Water Hazard Class WGK 1
(Germany)

Remarks Self-assessment

SECTION 16: Other information

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

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