

# Safety Data Sheet

## According to 91/155 EEC

Printing date 18.11.2008

Revision: 18.11.2008

### 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**

- **Trade name:** Herculan SX 400 Component B

- **Article number:** 908100/10

- **Application of the substance / the preparation** Activator

- **Manufacturer/Supplier:**

Herculan Sport Surfaces B.V.

Energieweg 6

4231 DJ Meerkerk

The Netherlands

Phone +31 183 354700

Fax

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+31 183 354740

- **Further information obtainable from:** Enviromental department

- **Information in case of emergency:** [janwillemvandijk@planet.nl](mailto:janwillemvandijk@planet.nl)

### 2 Composition/information on ingredients

- **Chemical characterization:**

- **CAS No. Description**

26447-40-5 diphenylmethane-4,4'-di-isocyanate isomeren + mengsels  
daarvan

- **Identification number(s)**

- **EINECS Number:** 247-714-0

- **Index number:** 615-005-00-9

### 3 Hazards identification

- **Hazard description:**



Xn Harmful

- **Information concerning particular hazards for human and environment:**

R 20 Harmful by inhalation.

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 42/43 May cause sensitisation by inhalation and skin contact.

Contains isocyanates. See information supplied by the manufacturer

### 4 First-aid measures

- **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** If symptoms persist consult doctor.

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### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.
- **Protective equipment:** Mount respiratory protective device.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
No special measures required.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**

Tightly sealed goggles

### 9 Physical and chemical properties

· **General Information**

**Form:** Liquid  
**Colour:** Light yellow  
**Odour:** Characteristic

· **Change in condition**

**Melting point/Melting range:** < 0°C  
**Boiling point/Boiling range:** > 350°C

· **Flash point:** 195°C· **Ignition temperature:** 520°C· **Danger of explosion:** Product does not present an explosion hazard.· **Explosion limits:**

**Lower:** 0,4 Vol %

· **Vapour pressure at 20°C:** 0,000004 hPa· **Density at 20°C:** 1,20 g/cm<sup>3</sup>· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Viscosity:**

**Kinematic at 20°C:** 200 s (ISO 4 mm)  
**Organic solvents:** 0,0 %  
**Water:** 0,0 %

· **Solids content:** 100,0 %

### 10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.· **Dangerous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values relevant for classification:**

**26447-40-5 diphenylmethane-4,4'-di-isocyanate isomeren + mengsels daarvan**

Oral	LD50	> 15000 mg/kg (rat)
Inhalative	LC50/4 h	490 mg/l (rat)
Irritation of skin	LD50 Skin	> 9000 mg/kg (rabbit)

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- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:**  
Sensitization possible through inhalation.  
Sensitization possible through skin contact.

### 12 Ecological information

- **General notes:**  
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

08 01 12	waste paint and varnish other than those mentioned in 08 01 11
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **Marine pollutant:** No

### 15 Regulatory information

- **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**  
Xn Harmful
- **Risk phrases:**  
20 Harmful by inhalation.  
36/37/38 Irritating to eyes, respiratory system and skin.  
42/43 May cause sensitisation by inhalation and skin contact.
- **Safety phrases:**  
23 Do not breathe gas/fumes/vapour/spray.  
36/37 Wear suitable protective clothing and gloves.  
38 In case of insufficient ventilation, wear suitable respiratory equipment.  
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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- **Special labelling of certain preparations:**  
Contains isocyanates. See information supplied by the manufacturer
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
I	100,0

- **Waterhazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water.

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing MSDS:** Environmental Department
- **Contact:** Mr. J.W. van Dijk

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