

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 15.02.2010

Revision: 07.01.2010

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

- **Product details**

- **Trade name:** Stopaq Aquawrap XT

- **Application of the substance / the preparation** Coating material

- **Manufacturer/Supplier:**

Stopaq B.V.  
Gasselterstraat 20  
NL-9503 JB Stadskanaal  
THE NETHERLANDS  
info@stopaq.com

- **Further information obtainable from:** Product safety department

- **Information in case of emergency:**

Tel: +31 (0) 599 696 170 (during office hours)  
Fax: +31 (0) 599 696 177

## 2 Hazards identification

- **Hazard description:**



Xn Harmful

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

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 20 Harmful by inhalation.

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

R 40 Limited evidence of a carcinogenic effect.

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

Contains isocyanates. See information supplied by the manufacturer

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Additional information:**





The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

## 3 Composition/information on ingredients

- **Chemical characterization**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 26447-40-5 EINECS: 247-714-0 Index number: 615-005-00-9	methylenediphenyl diisocyanate Carc. Cat. 3;  Xn,  Xi; R 20-36/37/38-40-42/43-48/20	9,901%
CAS: 101-68-8 EINECS: 202-966-0 Index number: 615-005-00-9	4,4'-methylenediphenyl diisocyanate Carc. Cat. 3;  Xn,  Xi; R 20-36/37/38-40-42/43-48/20	0,99%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

- **After inhalation:**

Supply fresh air or oxygen; call for doctor.  
Call a doctor immediately.

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- **After skin contact:**  
*Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.*
- **After eye contact:**  
*Rinse opened eye for several minutes under running water.  
Call a doctor immediately.*
- **After swallowing:**  
*Do not induce vomiting; call for medical help immediately.  
Rinse out mouth and then drink plenty of water.*
- **Information for doctor:**  
· **The following symptoms may occur:**  
*Breathing difficulty  
Coughing  
Fever*

**5 Fire-fighting measures**

- **Suitable extinguishing agents:** *CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.*
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
*During heating or in case of fire poisonous gases are produced.  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen cyanide (HCN)*
- **Protective equipment:**  
*Wear self-contained respiratory protective device.  
Wear fully protective suit.*
- **Additional information**  
*Cool endangered receptacles with water spray.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.*

**6 Accidental release measures**

- **Person-related safety precautions:**  
*Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.*
- **Measures for environmental protection:** *Do not allow to enter sewers/ surface or ground water.*
- **Measures for cleaning/collecting:**  
*Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.*

**7 Handling and storage**

- **Handling:**
- **Information for safe handling:**  
*Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of dust.*
- **Information about fire - and explosion protection:** *No special measures required.*
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *Store only in the original receptacle.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:**  
*Store receptacle in fume cupboard.  
Protect from frost.*

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Store in dry conditions.

### 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:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
Nitrile rubber, NBR  
Rubber gloves  
Neoprene gloves
- **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.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Impervious protective clothing

### 9 Physical and chemical properties

· **General Information**

<b>Form:</b>	Viscous
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

· **Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** > 368°C

· **Flash point:** > 145°C

· **Self-igniting:** Product is not selfigniting.

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· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density at 20°C:</b>	0,13181 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0,0 %
· <b>Solids content:</b>	100,0 %

## 10 Stability and reactivity

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

No decomposition if used according to specifications.  
To avoid thermal decomposition do not overheat.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:**

Isocyanate  
Hydrogen cyanide (prussic acid)  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide and carbon dioxide

## 11 Toxicological information

· **Acute toxicity:**

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

Oral	LD50	5800 mg/kg (mouse)
<b>26447-40-5 methylenediphenyl diisocyanate</b>		
Oral	LD50	>15800 mg/kg (rat)
Dermal	LD50	5010 - 7940 mg/kg (rabbit)
Inhalative	LC50/4 h	172-187 mg/l (rat)
<b>101-68-8 4,4'-methylenediphenyl diisocyanate</b>		
Oral	LD50	2200 mg/kg (mouse)

· **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.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
Irritant

· **Sensitisation** May cause sensitisation by inhalation and skin contact.

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### 12 Ecological information

· **Ecotoxicological effects:**

· **Aquatic toxicity:**

**26447-40-5 methylenediphenyl diisocyanate**

EC50 (static) >500 mg/kg (daphnia)

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): 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.

Unused material should be allowed to cure in ambient humidity for more than one hour. After curing it poses no known hazard.

· **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:**

· **IMDG Class:** -

· **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

### 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

· **Hazard-determining components of labelling:**

methylenediphenyl diisocyanate

4,4'-methylenediphenyl diisocyanate

· **Risk phrases:**

20 Harmful by inhalation.

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

40 Limited evidence of a carcinogenic effect.

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

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**· Safety phrases:**

- 1/2 Keep locked up and out of the reach of children.
- 22 Do not breathe dust.
- 36/37 Wear suitable protective clothing and gloves.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 56 Dispose of this material and its container to hazardous or special waste collection point.
- 63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

**· Special labelling of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer

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## 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.*

**· Relevant R-phrases**

- 20 Harmful by inhalation.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 40 Limited evidence of a carcinogenic effect.
- 42/43 May cause sensitisation by inhalation and skin contact.
- 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**· Department issuing MSDS: Product safety department**

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