



## 2 Hazards identification (Continued)

STOT RE 2 H373  
Full text of H-phrases: see section 16

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P260 - Do not breathe vapours  
P280 - Wear protective gloves, face protection, eye protection  
P233 - Keep container tightly closed  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking  
P271 - Use only outdoors or in a well-ventilated area  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

EUH phrases : EUH204 - Contains isocyanates.  
May produce an allergic reaction

## 3 Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| NAME  | PRODUCT IDENTIFIER  | %       | CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EEC                        | CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008 [CLP]  |
|---|---|---------|---|--|
| xylene  | (CAS No) 1330-20-7<br>(EC no) 215-535-7<br>(EC index no) 601-022-00-9 | 50 - 80 | R10<br>Xn; R20/21<br>Xi; R36/37/38<br>Xn; R65                           | Flam. Liq. 3, H226<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Asp. Tox. 1, H304 |
| Diphenylmethanediisocyanate, isomers and homologues | (CAS No) 9016-87-9  | < 5     | Carc.Cat.3; R40<br>Xn; R20<br>Xn; R48/20<br>R42<br>Xi; R36/37/38<br>R43 | Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>Carc. 2, H351<br>STOT SE 3, H335<br>STOT RE 2, H373             |

Specific concentration limits:

| NAME   | PRODUCT IDENTIFIER  | SPECIFIC CONCENTRATION LIMITS: DSD/DPD | SPECIFIC CONCENTRATION LIMITS: CLP |
|--------|---|--|------------------------------------|
| xylene | (CAS No) 1330-20-7<br>(EC no) 215-535-7<br>(EC index no) 601-022-00-9 | (C ≥ 12.5) Xn;R20/21                   |                                    |

Full text of R- and H-phrases: see section 16

## 4 First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer.
- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/injuries : Causes damage to organs.
- Symptoms/injuries after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause respiratory irritation.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## 5 Fire-fighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid and vapour.
- Explosion hazard : May form flammable/explosive vapour-air mixture.

### 5.3. Advice for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Equip clean-up crew with proper protection.
- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See section 8. Exposure controls and personal protection.

## 7 Handling and storage

### 7.1. Precautions for safe handling

|                                   |  |
|-----------------------------------|--|
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable.  |
| Precautions for safe handling     | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing vapours. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. |
| Hygiene measures                  | : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.  |

### 7.2. Conditions for safe storage, including any incompatibilities

|                        |  |
|------------------------|--|
| Technical measures     | : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment. |
| Storage conditions     | : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container tightly closed.  |
| Incompatible products  | : Strong bases. Strong acids. water, amines and alcohol's.   |
| Incompatible materials | : Sources of ignition. Direct sunlight. Heat sources.  |

### 7.3. Specific end use(s)

No additional information available

## 8 Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

|                               |  |
|-------------------------------|--|
| Personal protective equipment | : Avoid all unnecessary exposure.  |
| Hand protection               | : Wear protective gloves. (Council Directive 89/686/EEC)   |
| Eye protection                | : Chemical goggles or safety glasses   |
| Skin and body protection      | : Wear suitable protective clothing  |
| Respiratory protection        | : In case of inadequate ventilation wear respiratory protection. (type A1 according to standard EN14387) |
| Other information             | : Do not eat, drink or smoke during use.   |

## 9 Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                               |
|--|-------------------------------|
| Physical state                             | : Liquid                      |
| Colour                                     | : Brown                       |
| Odour                                      | : Characteristic              |
| Odour threshold                            | : No data available           |
| pH   | : Not applicable              |
| Relative evaporation rate (butylacetate=1) | : No data available           |
| Melting point                              | : No data available           |
| Freezing point                             | : No data available           |
| Boiling point                              | : No data available           |
| Flash point                                | : 28 °C                       |
| Auto-ignition temperature                  | : No data available           |
| Decomposition temperature                  | : No data available           |
| Flammability (solid, gas)                  | : Flammable liquid and vapour |
| Vapour pressure                            | : No data available           |
| Relative vapour density at 20 °C           | : No data available           |
| Relative density                           | : No data available           |
| Density (g/cm <sup>3</sup> )               | : 0.99                        |

## 9 Physical and chemical properties (Continued)

|                      |                     |
|----------------------|---------------------|
| Solubility           | : Organic solvents  |
| Log Pow              | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic   | : 40 cP             |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits     | : No data available |

### 9.2. Other information

No additional information available

## 10 Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

### 10.5. Incompatible materials

Strong acids. Strong bases. water, amines and alcohol's.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Diphenylmethane diisocyanate, isomers and homologues (9016-87-9)

|               |             |
|---------------|-------------|
| LD50 oral rat | 10000 mg/kg |
|---------------|-------------|

|   |  |
|---|--|
| Skin corrosion/irritation                             | : Causes skin irritation. pH: Not applicable   |
| Serious eye damage/irritation                         | : Causes serious eye irritation. pH: Not applicable  |
| Respiratory or skin sensitisation                     | : May cause allergy or asthma symptoms or breathing difficulties if inhaled.<br>May cause an allergic skin reaction. |
| Germ cell mutagenicity                                | : Not classified. Based on available data, the classification criteria are not met.                                  |
| Carcinogenicity                                       | : Suspected of causing cancer.   |
| Reproductive toxicity                                 | : Not classified. Based on available data, the classification criteria are not met.                                  |
| Specific target organ toxicity<br>(single exposure)   | : May cause respiratory irritation.  |
| Specific target organ toxicity<br>(repeated exposure) | : May cause damage to organs through prolonged or repeated exposure.   |
| Aspiration hazard                                     | : Not classified. Based on available data, the classification criteria are not met.                                  |

#### GEODESMO-Primer-50

|                      |                                |
|----------------------|--------------------------------|
| Viscosity, kinematic | 40.40404040 mm <sup>2</sup> /s |
|----------------------|--------------------------------|

Potential adverse human health effects and symptoms

## 12 Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence - degradability

#### GEODESMO-Primer-50

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | No available data. |
|-------------------------------|--------------------|

### 12.3. Bioaccumulative potential

#### GEODESMO-Primer-50

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | No available data. |
|-------------------------------|--------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## 13 Disposal considerations

### 13.1. Waste treatment methods

|                                |  |
|--------------------------------|--|
| Waste disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations.  |
| Additional information         | : Dispose of contents/container to a hazardous or special waste collection point.<br>Handle empty containers with care because residual vapours are flammable. |
| Ecology - waste materials      | : Avoid release to the environment.  |

## 14 Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

|               |                  |
|---------------|------------------|
| UN-No. (ADR)  | : 1139           |
| UN-No. (IMDG) | : 1139           |
| UN-No.(IATA)  | : 1139           |
| UN-No.(ADN)   | : Not applicable |
| UN-No. (RID)  | : Not applicable |

### 14.2. UN proper shipping name

|                                       |   |
|---------------------------------------|---|
| Proper Shipping Name (ADR)            | : COATING SOLUTION                        |
| Proper Shipping Name (IMDG)           | : COATING SOLUTION                        |
| Proper Shipping Name (IATA)           | : COATING SOLUTION                        |
| Proper Shipping Name (ADN)            | : Not applicable                          |
| Proper Shipping Name (RID)            | : Not applicable                          |
| Transport document description (ADR)  | : UN 1139 COATING SOLUTION, 3, III, (D/E) |
| Transport document description (IMDG) | : UN 1139 COATING SOLUTION, 3, III        |

### 14.3. Transport hazard class(es)

#### ADR

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (ADR) | : 3 |
| Danger labels (ADR)              | : 3 |
| :                                | :   |





## 14 Transport information (Continued)

### Air transport

|  |        |
|--|--------|
| PCA Excepted quantities (IATA)               | : E1   |
| PCA Limited quantities (IATA)                | : Y344 |
| PCA limited quantity max net quantity (IATA) | : 10 L |
| PCA packing instructions (IATA)              | : 355  |
| PCA max net quantity (IATA)                  | : 60L  |
| CAO packing instructions (IATA)              | : 366  |
| CAO max net quantity (IATA)                  | : 220L |
| Special provisions (IATA)                    | : A3   |
| ERG code (IATA)                              | : 3 L  |

### Inland waterway transport

Not subject to ADN : No

### Rail transport

Carriage prohibited (RID) : No

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

Not applicable

## 15 Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions.

Contains no substance on the REACH candidate list.

Contains no REACH Annex XIV substances.

#### 15.1.2. National regulations

##### Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters  
(Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

##### Denmark

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Class for fire hazard : Class II-1

Store unit : 5 L

Classification remarks : R10 <H226; H315; H317; H319; H334; H335; H351; H373>; Emergency management guidelines for the storage of flammable liquids must be followed.

Recommendations : Young people below the age of 18 years are not Danish Regulation allowed to use the product. Pregnant/breastfeeding women working with the product must not be in direct contact with the product. Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material. The requirements from the Danish Working Environment Authorities regarding work with epoxy resins and isocyanates must be observed during use and disposal.

### 15.2. Chemical safety assessment

No data available



## 16 Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-phrases:

|                           |  |
|---------------------------|--|
| Acute Tox. 4 (Dermal)     | Acute toxicity (dermal), Category 4  |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4  |
| Asp. Tox. 1               | Aspiration hazard, Category 1  |
| Carc. 2                   | Carcinogenicity, Category 2  |
| Eye Irrit. 2              | Serious eye damage/eye irritation, Category 2  |
| Flam. Liq. 3              | Flammable liquids, Category 3  |
| Resp. Sens. 1             | Sensitisation - Respiratory, category 1  |
| Skin Irrit. 2             | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1              | Sensitisation - Skin, category 1   |
| STOT RE 2                 | Specific target organ toxicity - Repeated exposure, Category 2                             |
| STOT SE 3                 | Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation |
| H226                      | Flammable liquid and vapour  |
| H304                      | May be fatal if swallowed and enters airways   |
| H312                      | Harmful in contact with skin   |
| H315                      | Causes skin irritation   |
| H317                      | May cause an allergic skin reaction  |
| H319                      | Causes serious eye irritation  |
| H332                      | Harmful if inhaled   |
| H334                      | May cause allergy or asthma symptoms or breathing difficulties if inhaled                  |
| H335                      | May cause respiratory irritation   |
| H351                      | Suspected of causing cancer  |
| H373                      | May cause damage to organs through prolonged or repeated exposure                          |
| EUH204                    | Contains isocyanates. May produce an allergic reaction                                     |
| R10                       | Flammable  |
| R20                       | Harmful by inhalation  |
| R20/21                    | Harmful by inhalation and in contact with skin   |
| R36/37/38                 | Irritating to eyes, respiratory system and skin  |
| R40                       | Limited evidence of a carcinogenic effect  |
| R42                       | May cause sensitization by inhalation  |
| R43                       | May cause sensitisation by skin contact  |
| R48/20                    | Harmful: danger of serious damage to health by prolonged exposure through inhalation       |
| R65                       | Harmful: may cause lung damage if swallowed  |
| Xi                        | Irritant   |
| Xn                        | Harmful  |

## 16 Other information (Continued)

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



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