



## Safety Data Sheet

### 1 Identification of the Substance/Preparation and Company

PRODUCT NAME: SUPER BLUE  
PRODUCT CODE: S752

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### 2 Hazards identification

· Hazard designation:

Xn Harmful

· Information pertaining to particular dangers for man and environment

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

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

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Contains isocyanates. See information supplied by the manufacturer.

### 3 Composition/Data on components:

· Chemical characterization

· Description:

Moisture curing adhesive

Polyisocyanate, MDI-prepolymer

· Dangerous components:

CAS: 26447-40-5 EINECS: 247-714-0	Methylenediphenyl diisocyanate, mixture of isomers	Xn, Xi; R20-36/37/38-42/43	<10%
CAS: 9016-87-9	Diphenylmethanediisocyanate, isomers and homologues	Xn, Xi; R 20-36/37/38-42/43	< 5%
CAS: 28553-12-0 EINECS: 249-079-5	di-"isononyl" phthalate		<5%
CAS: 77-58-7 EINECS: 201-039-8	Dibutyltin dilaurate	Xn, Xi, N; R 20/21/22-36/38-48/22-53/53	<1%

· Additional information For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

· After inhalation

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

· After skin contact Treat affected skin with cotton wool or cellulose then wash with water and soap and rinse thoroughly.

· After eye contact Rinse opened eye for several minutes under running water. Then consult doctor

· After swallowing Do not induce vomiting; call for medical help immediately.

### 5 Fire fighting measures

· Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.

· Special hazards caused by the material, its products of combustion or flue gases:

In case of fire CO, NO<sub>x</sub>, isocyanates and traces of HCN can be formed.

· Protective equipment: Do not inhale explosion gases or combustion gases. Wear self contained respiratory protective device

· Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

· **Person-related safety precautions:**

Ensure adequate ventilation  
Use breathing protection against the effects of fumes/dust/aerosol.  
Wear protective clothing.

· **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 of contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Send for recovery or disposal in suitable containers.

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## 7 Handling and storage

· **Handling**

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Keep away from children

· **Information about protection against explosions and fires:** No special measures required.

· **Storage**

· **Requirements to be met by storerooms and containers:** Prevent any seepage into the ground.  
· **Information about storage in one common storage facility:** Store away from foodstuffs.

· **Further information about storage conditions:**

Protect from frost  
Keep container tightly sealed  
Protect from heat and direct sunlight.  
Store in a well ventilated area.  
Store in dry conditions.

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## 8 Exposure controls and personal protection

· **Additional information about design of technical systems:**

Please take care on national and local requirements.

· **Components with critical values that require monitoring at the workplace:**

**26447-40-5 methylene diphenyl diisocyanate, mixture of isomers**

WEL (Great Britain)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO
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**9016-87-9 diphenylmethanedi-isocyanate, isomers and homologues**

WEL (Great Britain)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO
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**28553-12-0 di "isononyl" phthalate**

WEL (Great Britain)	Long-term value: 5 mg/m <sup>3</sup>
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· **Additional information:** Based on information valid at the time of writing.

· **Personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures should be adhered to when handling chemicals  
Keep away from food, drink and animal feedingstuffs.  
Immediately remove any soiled and contaminated clothing.  
Wash hands before breaks and at the end of the work.  
Avoid close or long term contact with the skin.

· **Breathing equipment:**

Not required with good ventilation and/or adequate extractor facilities  
In case of brief exposure or low pollution (exceeding of TLV) use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· **Recommended filter device for short term use:** Filter AX (DIN EN 141)

· **Protection of hands:**

Protective gloves made of the following material:  
Nitrile rubber, NBR (0.8mm).

The named material refers only to the chemical resistance to the product.

Another important factor in the selection of the right gloves is their resistance to mechanical wear and tear. This, however, can differ completely from company to company which is why we recommend that users contact glove manufacturers in order to establish compliance with their own individual operating needs. Attention is also to be paid to an adequate penetration time (>240min / EN374) of the glove material which complies with the strength and duration of exposure to the product.

· **Eye protection:** Safety glasses.

· **Body protection:** Protective work clothing.

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## 9 Physical and chemical properties:

· **General Information**

**Form:** Paste  
**Colour:** Blue

<b>Smell:</b>	Characteristic
· <b>Change in condition</b>	
<b>Boiling point/Boiling range:</b>	Not determined
· <b>Flash point:</b>	>100°C
· <b>Ignition temperature:</b>	Not determined.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined
· <b>Density at 20°C</b>	1.45 g/cm <sup>3</sup>
· <b>Vapour pressure at 20°C:</b>	<10hPa
· <b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Insoluble. Reacts with water

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#### 10 Stability and reactivity

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

No decomposition if used according to specifications.

· **Dangerous reactions**

Reacts with alcohols, amines, aqueous acids and alkalis

Reacts with water forming carbon dioxide. In closed containers there is a danger of bursting due to build up of pressure.

· **Dangerous products of decomposition:**

In case of fire the following substances may occur: Nitrogen oxides.

· **Additional information:** Open and release pressure carefully with pressurised containers.

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#### 11 Toxicological information

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** Irritating effect.

· **Sensitisation:**

May cause sensitisation by inhalation and skin contact.

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#### 12 Ecological information:

· **Ecotoxicological effects:**

· **Aquatic toxicity:** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **General notes:**

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

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#### 13 Disposal considerations

· **Product:**

· **Recommendation**

Disposal in accordance with official regulations.

· **EWC-Code(s):**

No waste code number pursuant to the European Waste Catalogue can be stipulated for this product since only the intended application by the consumer allows an assignment to be made the waste code number must be stipulated by agreement with the produce (or the responsible public authority)

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

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#### 14 Transport information

· **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

· **ADR/RID-GGVS/E Class:** -

· **Maritime transport IMDG/GGVSea:**

· **IMDG/GGVSea Class:** -

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

· **ICAO/IATA Class:** -

· **Transport/Additional information:** Protect from moisture.

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#### 15 Regulatory information

· **Markings according to EC guidelines:**

· **Code letter and hazard designation of product:**

Xn Harmful

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

Diphenylmethane di-isocyanate, isomers and homologues

· **Risk phrases:**

36/37/38

42/43

Irritating to eyes, respiratory system and skin.

May cause sensitisation by inhalation and skin contact.

52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**· Safety phrases:**

23

Do not breathe vapour/spray

36/37

Wear suitable protective clothing and gloves

45

In case of accident or if you feel unwell I, seek medical advice immediately ( show the label where possible).

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Avoid release to the environment. Refer to special instructions/safety data sheets

**· Special designation of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer

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**16 Other information:**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information provided about the product on this Safety Sheet has been compiled from knowledge of the individual constituent.

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

**· Full text of risk phrases referred to in section 2.**

20

Harmful by inhalation.

20/21/22

Harmful by inhalation, in contact with skin and if swallowed

36/37/38

Irritating to eyes, respiratory system and skin.

36/38

Irritating to eyes and skin

42/43

May cause sensitisation by inhalation and skin contact.

48/22

Harmful: danger of serious damage to health by prolonged exposure if swallowed

50/53

very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**· Department issuing data specification sheet:** Quality Control

**· Contact:**

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