

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10/30/2018

Version number 1

Revision: 10/30/2018

1 Identification of the substance/mixture and of the company/undertaking

· **Product identifier**

· **Trade name:** Fuzbond 5500

· **Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· *Application of the substance / the mixture* Adhesives

· **Details of the supplier of the safety data sheet**

· **Distributor**

Fuzion Flooring

380 Courtneypark Drive East, Unit D

Mississauga, ON L5T 2S5

Canada

2 Hazards identification

· **Classification of the substance or mixture**



GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Carc. 2 H351 Suspected of causing cancer.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Sensitising

May cause sensitisation by inhalation.

· *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.

· *Classification system:*

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

· **Label elements**

· **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:*

diphenylmethane-4,4'-di-isocyanate

· *Risk phrases:*

May cause sensitisation by inhalation.

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- **Safety phrases:**
Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
Do not empty into drains.
Wear suitable protective clothing.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
This material and its container must be disposed of as hazardous waste.
- **Special labelling of certain preparations:**
Contains isocyanates. See information supplied by the manufacturer
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

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

- **Dangerous components:**

101-68-8	diphenylmethane-4,4'-di-isocyanate	≤ 1%
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- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.
- **Information for doctor:**
- *Most important symptoms and effects, both acute and delayed* No further relevant information available.
- *Indication of any immediate medical attention and special treatment needed*
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective clothing.

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- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **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:* None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

101-68-8 diphenylmethane-4,4'-di-isocyanate

EL	Long-term value: 0.005 ppm Ceiling limit: 0.01 ppm Skin; S
EV	Long-term value: 0.005 ppm Ceiling limit: 0.02 ppm

- *Additional information:* The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- *General protective and hygienic measures:*
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
- *Respiratory protection:*
Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.
- *Protection of hands:* Not required.
- *Material of gloves:* Butyl rubber, BR
- *Eye protection:* Goggles recommended during refilling

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· *Body protection:* Protective work clothing

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9 Physical and chemical properties

· Information on basic physical and chemical properties

· **General Information**

· *Appearance:*

· *Form:* Solid
 · *Colour:* According to product specification

· *Odour:* Characteristic
 · *Odour threshold:* Not determined.

· **pH-value:** Not determined.

· **Change in condition**

· *Melting point/Melting range:* Undetermined.
 · *Boiling point/Boiling range:* Undetermined.

· **Flash point:** 101 °C

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 265 °C

· *Decomposition temperature:* Not determined.

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

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

· *Lower:* Not determined.
 · *Upper:* Not determined.

· **Vapour pressure:** Not determined.

· **Density at 20 °C:** 1.5 g/cm³

· *Relative density* Not determined.

· *Vapour density* Not determined.

· *Evaporation rate* Not determined.

· **Solubility in / Miscibility with**

· *water:* Not determined.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

· *Dynamic:* Not determined.
 · *Kinematic:* Not determined.

· **Solvent content:**

· *Organic solvents:* 0.0 %
 · *VOC EU* 6.00 %

· *Solids content:* 94.0 %

· **Other information** No further relevant information available.

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10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· *LD/LC50 values relevant for classification:*

101-68-8 diphenylmethane-4,4'-di-isocyanate

Oral	LD50	> 2000 mg/kg (Ratte) (Richtlinie 84/449/EWG, B.1)
Dermal	LD50	>9400 mg/kg (rab) (OECD- Prüfrichtlinie 402)
Inhalative	LC50/ 4h	0.368 mg/l (Ratte)

- **Primary irritant effect:**
- *on the skin:* No irritant effect.
- *on the eye:* No irritating effect.
- **Sensitisation:** Sensitisation possible through inhalation.

- **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

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

101-68-8 diphenylmethane-4,4'-di-isocyanate

EC50	>1000 mg/l (Daphnia magna Wasserfloh) (OECD- Prüfrichtlinie 202)
LC50/ 96h	>1000 mg/l (Danio rerio (Zebraabärbling)) (OECD- Prüfrichtlinie 203)
NOEC	>10 mg/l (Daphnia magna Wasserfloh) (OECD- Prüfrichtlinie 202 (Fortpflanzung))

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to EU guidelines:**
- **Code letter and hazard designation of product:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Safety phrases:** Keep out of the reach of children.
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
I	≤ 1
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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:** Technical Department
- **Contact:** 1.905.696.0835
- **Abbreviations and acronyms:**
Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Carc. 2: Carcinogenicity, Hazard Category 2