

MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

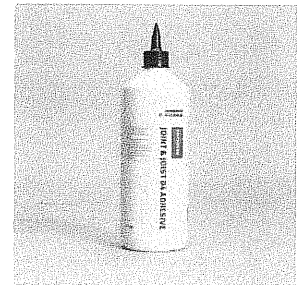
SDHEx001 - EGGER D4 Joint & Joist Adhesive

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Application: Gluing T&G boards to timber/engineered wood joists, gluing T&G profiles

1. Product Information

Supplier: EGGER (UK) Limited
 Address: Anick Grange Road, Hexham, Northumberland, NE46 4JS
 Phone: 01434 602191
 Fax: 01434 605103
 Emergency: 01434 602191
 Tadenam e/Type: Egger D4 Joint & Joist Adhesive
 Description: D4 grade adhesive conforming to EN204/D4



2. Hazards Identification

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

- Xn, Harmful
- Xn, Sensitising
- Xi, Irritant

Labelling according to EU Guidelines: The product has been classified and labelled in accordance with EC Directives/Chemicals (Hazard, information and Packaging for Supply) (CHIP) Regulations.

Code letter and hazard designation of Product:

- Xn, Harmful

Hazard determining components of labelling: Diphenylmethane-4,4'-di-isocyanate

3. Information on Ingredients

Description: One component, moisture curing polyurethane adhesive. (For the wording of the listed risk phrases refer to section 16.)

| Dangerous components: | | |
|---|--|----------|
| CAS: 101-68-8 EINECS: 202-966-0 Reg. No.: 01-2119457014-47-0000 | Diphenylmethane-4,4'-di-isocyanate Xn R20-40-48/20; Xn R42/43; Xi R36/37/38 Carc. cat. 3 Resp. Sens.1, H334; Carc. 2, H351; STOT RE 2, H373; Acute tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 | 10 – 25% |
| CAS: 9016-87-9 | Diphenylmethane diisocyanate (isomers and homologues) Xn R20-40-48/20; Xn R42/43; Xi R36/37/38 Carc. Cat. 3 Resp. Sens.1, H334; Carc. 2, H351; STOT RE 2, H373; Acute tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 | < 12.5% |
| CAS: 5873-54-1 EINECS: 227-534-9 | Diphenylmethane-2,4'-diisocyanate Xn R20-40-48/20; Xn R42/43; Xi R36/37/38 Carc. Cat. 3 Resp. Sens.1, H334; Carc. 2, H351; STOT RE 2, H373; Acute tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 | 0.5 – 1% |
| CAS: 98-88-4 EINECS: 202-710-8 | Benzoyl chloride C R34; Xn R20/21/22; Xi R43 Skin corr. 1B, H314 | < 0.2% |

4. First Aid Measures

General information: Immediately remove any clothing soiled by the product. Symptoms of poisoning may occur even after several hours; therefore medical observation for at least 48 hours after the accident is necessary.

Eyes: Rinse the opened eye under running water for several minutes. Seek medical advice.

Skin: Wash and rinse thoroughly with water and a mild cleaning agent. If irritation continues consult a doctor.

Ingestion: Do not induce vomiting. Seek medical attention.

Inhalation: Supply fresh air. Consult a doctor if symptoms persist. In case of unconsciousness, place patient in the recovery position and await medical attention.

5. Fire Fighting Measures

Suitable extinguishing media: Water haze, fire-extinguishing powder, carbon dioxide

Special hazards arising from the substance or mixture: In the case of fire CO, NOx, Isocyanates and traces of HCN can be formed.

Special procedures: Use approved self-contained breathing apparatus.

6. Accidental Release Measures

Personal protection: Ensure adequate ventilation. Use respiratory protective device against the effects of dust/fumes/aerosol. Wear protective clothing.

Measures for environmental protection: Do not allow product to reach sewage system or water bodies.

Measures for clean-up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to Section 13. Ensure adequate ventilation.

7. Handling and Storage

Handling: Ensure good ventilation/exhaustion at the workplace. Keep away from children. Keep eye wash bottles available in work place.

Storage: Store only in original containers: store in a cool dry, well ventilated area; keep containers tightly sealed.

Information on protection against fires and explosion: No special measures required.

8. Exposure Controls/Personal Protection

Components with critical values that require monitoring:

| 101-68-8 Diphenylmethane 4,4'-diisocyanate | |
|---|---|
| WEL | Short term: 0.07 mg/m ³ Long-term: 0.02 mg/m ³ |
| 9016-87-9 Diphenylmethane diisocyanate (isomers and homologues) | |
| WEL | Short term: 0.07 mg/m ³ Long-term: 0.02 mg/m ³ |
| 5873-54-1 Diphenylmethane 2,4'-diisocyanate | |
| | Short term: 0.07 mg/m ³ Long-term: 0.02 mg/m ³ |

General protective and hygienic measures: Keep away from food, drink and animal feedstuffs. Immediately remove any soiled or impregnated garments. Wash hands during breaks and at the end of work. Do not inhale gases/fumes/aerosols. Avoid contact with the eyes and skin.

Protection of hands: Protective gloves. The glove material has to be impermeable and resistant to the product.

Material of gloves: Nitrile rubber.

Eye protection: Tightly sealed safety glasses.

Body protection: Protective work clothing.

9. Physical and Chemical Properties

| | |
|---|--|
| Form: | Fluid |
| Colour: | Brown / Yellow |
| Smell: | Characteristic |
| Melting point: | Not determined |
| Boiling point: | > 300°C |
| Flash point: | 111°C |
| Ignition temperature: | 400°C |
| Self-inflammability: | Product is not self-igniting |
| Danger of explosion: | Product does not present an explosion hazard |
| Density at 20°C | 1.15 g/cm ³ |
| Solubility in / miscibility with water: | Not miscible or difficult to mix |
| Dynamic viscosity at 20°C | 5000 mPas |
| Organic solvent content: | 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

Hazardous decomposition products: No dangerous decomposition products known

11. Toxicological Information

Skin: Irritant for skin and mucous membranes.

Eyes: Irritant effect

Sensitization: Possible by inhalation. Possible by skin contact.

Additional information: The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: Harmful, Irritant.

12. Ecological Information

Aquatic toxicity: No relevant information available

Persistence and degradability: No relevant information available

Bio-accumulative potential: No relevant information available

Mobility in soil: No relevant information available

Other information: Do not allow undiluted product or large quantities of it to reach groundwater, water bodies or sewage systems.

Result of PBT assessment: not applicable

Result of vPvB assessment: not applicable

13. Disposal Considerations

General: Must not be disposed of together with household garbage. Do not allow product to reach sewage systems. Hand over to disposers of hazardous waste.

Can be disposed of with household waste after solidification following consultation with the operator of the waste disposal facilities and under adherence to the necessary technical regulations.

Incineration under approved, controlled conditions using incinerators suitable or designed for the disposal of hazardous chemical wastes is the preferred method for disposal.

European Waste Catalogue: 08 04 09 Waste adhesive and sealants containing organic solvents or other dangerous substances.

14. Transport Information

Not classified as hazardous for transport.

15. Regulatory Information

VOC (EU): 0.00%

Chemical safety assessment: A chemical safety assessment has not been carried out.

16. Additional Information

This data sheet has been compiled based on our present knowledge. It does not however constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

| | |
|-----------|--|
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause 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 |
| R20 | Harmful by inhalation |
| R20/21/22 | Harmful by inhalation, in contact with skin and if swallowed |
| R34 | Causes burns |
| R36/37/38 | Irritating to eyes, respiratory system and skin |
| R40 | Limited evidence of carcinogenic effect |
| R42/43 | May cause sensitisation by inhalations and skin contact |
| R43 | May cause sensitisation by skin contact |
| R48/20 | Harmful: Danger of serious harm to health by prolonged exposure through inhalation |

Provisional note:

This Safety Data Sheet has been carefully drawn up to the best of our knowledge. We accept no liability for any mistakes, errors in standards or printing errors. In addition, technical modifications can result from the continuous further development, as well as from changes in standards and documents originating from statutory bodies. The content of this document should therefore not be considered as instructions for use or as legally binding.