

# 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/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'-di-isocyanate	
WEL	Short term: 0.07 mg/m <sup>3</sup> Long-term: 0.02 mg/m <sup>3</sup>
9016-87-9 Diphenylmethane di-isocyanate (isomers and homologues)	
WEL	Short term: 0.07 mg/m <sup>3</sup> Long-term: 0.02 mg/m <sup>3</sup>
5873-54-1 Diphenylmethane-2,4'-di-isocyanate	
	Short term: 0.07 mg/m <sup>3</sup> Long-term: 0.02 mg/m <sup>3</sup>

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 <sup>3</sup>
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.