

ECO STEP ADHESIVE - 4 in I

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Safety data sheet according to EU 453/2010

Printing date 05.12.2013

Version-No. 3

Revision: 26.11.2013

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

1.1. Product identifier

Trade name / Article-No: ECO STEP ADHESIVE **583.6**

1.2. Relevant identified uses of the substance / mixture or uses advised against

No further relevant information available.

Application of the substance / the preparation Adhesives

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ECO TIMBER GROUP

418 Burnley Street Richmond Victoria 3121

03 9421 6866

Germany

Further information obtainable from:

Telefon: +49-(0)7244-62-0

FAX: +49-(0)7244-700-0

1.4. Emergency telephone number:

phone: +49-7244 62 486

available on workdays (Mo - Fr) 08:00 am to 04:00 pm (Central European Time- CET)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 - GHS/CLP

The product is not classified as hazardous to health or environment according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

2.2. Label elements

Labelling according to Directive 67/548/EEC or Directive 1999/45/EC

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

2.3. Other hazards

Results of PBT and vPvB assessment

PBT:

25973-55-1 2-(3',5'-di-t-amyl-2'-hydroxyphenyl) benzotriazole

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description: silanterminated polymers, neutral

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- **Dangerous components:**

CAS-No	Description	Index R-phrases	%
CAS: 25973-55-1 Reg.nr.: 01-2119955688-17-XXXX	2-(3',5'-di-t-amyl-2'-hydroxyphenyl) benzotriazole PBT	Xn R48/22 R53 STOT RE 2, H373; Aquatic Chronic 4, H413	< 0,5%
CAS: 41556-26-7 Reg.nr.: 01-2119491304-40-XXXX	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Xi R43; N R51/53	Aquatic Chronic 2, H411; Skin Sens. 1, H317	< 0,5%

- **Additional information:** Product hydrolyzes under formation of methanol (CAS No. 67-56-1).

SECTION 4: First aid measures

- **4.1. Description of first aid measures**
- **General information:** None
- **After inhalation:** Not applicable
- **After skin contact:**
Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.
Generally the product does not irritate the skin.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with plenty of water.
Seek medical treatment.
- **Information for doctor:**
- **4.2. Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3. Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1. Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2. Special hazards arising from the substance or mixture**
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3. Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- **6.1. Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
- **6.2. Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3. Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4. Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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SECTION 7: Handling and storage

- **Handling:**
- **7.1. Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2. Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep container tightly closed.
- **Information about storage in one common storage facility:** Observe the national regulations.
- **Further information about storage conditions:** None.
- **7.3. Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1. Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **CAS No. Designation of material % Type Value Unit**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **8.2. Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:** Protective gloves and protective skin cream
- **Material of gloves** D butyl rubber - BR: ChemTek™ (0,7 mm)
- **Penetration time of glove material** D: ≥ 480 min
- **Eye protection:** Goggles recommended during refilling

SECTION 9: Physical and chemical properties

- **9.1. Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
- **Form:** Pasty
- **Colour:** Beige
- **Odour:** Mild
- **pH-value:** Neutral
- **Change in condition**
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** > 250 °C
- **Flash point:** > 100 °C
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 390 °C
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not selfigniting.

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- **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:** ca. 1,80 g/cm³
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Viscosity:**
 - Dynamic at 20 °C:** ca. 460000 mPas
Method: Brookfield RVT
- **9.2. Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1. Reactivity** Not applicable
- **10.2. Chemical stability** Stable when stored and used properly.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3. Possibility of hazardous reactions** No dangerous reactions known.
- **10.4. Conditions to avoid** No further relevant information available.
- **10.5. Incompatible materials:** No further relevant information available.
- **10.6. Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1. Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitizing effect by skin contact is possible by prolonged exposure.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12: Ecological information

- **12.1. Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2. Persistence and degradability** No further relevant information available.
- **Other information:** The product is difficultly biodegradable.
- **12.3. Bioaccumulative potential** No further relevant information available.
- **12.4. Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Behaviour in sewage processing plants:**
- **Remark:**
At correct sewage disposal in small quantities to biological sewage plants failures of the activated sludge are not expected.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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- **12.5. Results of PBT and vPvB assessment**
- **PBT:**
 - 25973-55-1 2-(3',5'-di-t-amyl-2'-hydroxyphenyl) benzotriazole
- **vPvB:** Not applicable.
- **12.6. Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1. Waste treatment methods**
- **Recommendation**
 - Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
 - Can be disposed of with household garbage in small quantities after curing.
- **European waste catalogue**
 - 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
- **Uncleaned packaging:**
- **Recommendation:**
 - Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information

- **14.1. UN-Number** Void
- **14.2. UN proper shipping name** Void
- **14.3. Transport hazard class(es)**
- **ADR, IMDG**
- **Class** No dangerous good
- **IATA**
- **Class** Not classified as dangerous goods under IATA regulations
- **14.4. Packing group** Void
- **14.5. Environmental hazards:**
- **Marine pollutant:** No
- **14.6. Special precautions for user** Not applicable.
- **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

SECTION 15: Regulatory information

- **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
 - See position 2 - Hazards Identification
- **National regulations:**
- **(D) Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **(EU) VOC - Volatile Organic Compounds (Directive 13/1999/EC)**
- **VOC - portion [g/L]:** 0,1 g/l
- **VOC - portion [mass-%]:** 0,01 %
- **15.2. Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **Relevant phrases**
- H317 May cause an allergic skin reaction.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.

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R43 May cause sensitisation by skin contact.

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53 May cause long-term adverse effects in the aquatic environment.

· **Department issuing MSDS:** Safety & Environment

· **Contact:** Dr. Wolfgang Stüber

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

· *** Data compared to the previous version altered. -**

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