

SAFETY DATA SHEET

according to Regulation
(EU) No. 1907/2006

Semparoc 60

1. Identification of the substance/preparation and of the company/undertaking

Use of the Substance/Preparation	Wood adhesive.
Company/Undertaking Identification	Collano Adhesives AG Eichenstrasse 12 CH-6203 Sempach-Station Tel. +41 41 469 91 11 Fax +41 41 469 91 12 www.collano.com sdb@collano.com
Emergency telephone number	+41 41 469 94 34 (+41 44 251 51 51 Tox Center)
Revision Date	07.10.2010
Version	3

2. Hazards identification



Xn - Harmful.

Harmful by inhalation. Limited evidence of a carcinogenic effect. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Contains isocyanates. See information supplied by the manufacturer.

3. Composition/information on ingredients

Chemical characterization	Isocyanates. Adhesive.
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Components		EC-Symbol(s)	R-phrases(s)	CAS	EC-No.
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate	< 50%	Xn	R-20-36/37/38-40-42/43-48/20	101-68-8	202-966-0

4. First aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products.
Skin contact	Wash off with soap and plenty of water.
Eye contact	Remove contact lenses. Keep eye wide open while rinsing.
Ingestion	Call a physician immediately.

5. Fire-fighting measures

Suitable extinguishing media	Water spray. Foam. Dry powder. Carbon dioxide (CO ₂).
Extinguishing media which must not be used for safety reasons	None.
Specific hazards	Fire may cause CO _x to evolve. In the event of fire the following can be released: irritant and toxic fumes..
Special protective equipment for firefighters	In the event of fire, wear self contained breathing apparatus.

6. Accidental release measures

Personal precautions	Ensure adequate ventilation.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Take up mechanically and collect in suitable container for disposal.

7. Handling and storage

Handling	Provide sufficient air exchange and/or exhaust in work rooms.
Storage	Keep containers dry and tightly closed to avoid moisture absorption and contamination.

8. Exposure controls / personal protection

Germany	4,4'-Methyldiphenyldiisocyanat Grenzwert 0,05 mg/m ³ Spitzenbegrenzung: Konzentration darf Grenzwertkonzentration nicht überschreiten.
Occupational exposure controls	Ensure adequate ventilation, especially in confined areas.
Personal protection equipment	
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	Impervious gloves. Appropriate protection gloves resistant to chemicals (EN 374): polychloroprene Butylrubber. Nitrile rubber. Pay attention to the indications of the gloves producers on penetration and breakthrough time. Recommendation: dispose contaminated gloves.
Eye protection	Avoid contact with eyes. Safety glasses with side-shields.

9. Physical and chemical properties

Form	Viscous.
Colour	Yellowish.
Odour	Very faint. Aromatic.

Physical and chemical properties

Flash point: > 200 °C.
Water solubility: hydrolyses
Relative density: 1.25 g/ml.
Viscosity: 8600 mPa.s (20 °C).

10. Stability and reactivity**Stability**

No decomposition if stored and applied as directed.

Conditions to avoid

Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

Materials to avoid

Amines.

Hazardous decomposition products

None reasonably foreseeable.

11. Toxicological information**Acute toxicity**

LD50/oral/rat \geq 15000 mg/kg.
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate
LD50/oral/rat = 4700 mg/kg.

Local effects

Contact with eyes or skin causes irritation. Harmful by inhalation. After prolonged skin contact tanning and irritating reactions may occur.

Sensitization

May cause sensitisation by inhalation. For oversensitized persons allergical reactions may occur even at isocyanate concentrations below the MAK-value.

Further information

Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

12. Ecological information**Ecotoxicity**

Ecological injuries are not known or expected under normal use.

13. Disposal considerations**Waste from residues / unused products**

Dispose of as special waste in compliance with local and national regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. Transport information**Further Information**

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

EC-Symbol(s)	Xn - Harmful.
R-phrase(s)	R20: Harmful by inhalation. R40: Limited evidence of a carcinogenic effect. R36/37/38: Irritating to eyes, respiratory system and skin. R42/43: May cause sensitisation by inhalation and skin contact. R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
S-phrase(s)	S2: Keep out of the reach of children. S23: Do not breathe vapour/spray S36/37: Wear suitable protective clothing and gloves. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S46: If swallowed, seek medical advice immediately and show this container or label. S63: In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Additional Hints	Contains isocyanates. See information supplied by the manufacturer.
Hazardous components which must be listed on the label	4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate, CAS-No. 101-68-8, EC-No. 202-966-0
Regulatory Information	The product is classified and labelled in accordance with EC directives or respective national laws. Contains isocyanates. See information supplied by the manufacturer. Water contaminating class 1. Merkblatt BG Chemie: M050 Umgang mit Gefahrstoffen (für die Beschäftigten) M056 ODIN-Schlüsselverzeichnis "Krebserzeugende Gefahrstoffe"

16. Other information

Recommended use	Exposition scenarios (Use Descriptors) which are supported by the manufacturer, according to FEICA (for adhesives) and CEPE (for application in paints and colors): I2, P2,I2, P2. Definition of codes: FEICA: http://www.feica.com EHS - Sustainability/REACH/FEICA Use Descriptor/User Descriptor for registrants/ FEICA UseR with Applications CEPE: http://www.cepe.org
Text of R phrases mentioned in Section 3	R20: Harmful by inhalation. R40: Limited evidence of a carcinogenic effect. R36/37/38: Irritating to eyes, respiratory system and skin. R42/43: May cause sensitisation by inhalation and skin contact. R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Further information	Modifications in the following chapters since the last version: 16.
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. It is not to be considered a warranty or quality specification.