



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2015/830)

Semparoc Rapid V

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

1.1. Product identifier

Product code None.

Synonyms None.

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

Use of the Substance/Mixture Wood adhesive.

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification Collano Adhesives AG
Eichenstrasse 12
CH-6203 Sempach Station
Tel. +41 41 469 92 75
Fax +41 41 469 91 12
www.collano.com
sdb@collano.com

1.4. Emergency telephone number +41 41 469 92 75 (Mo - Fr 8:00 - 17:00 MEZ/CET)
(+41 44 251 51 51 Tox Center)

Issuing date 12.07.2016

Version 6 (Previous versions: 5)

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Skin corrosion/irritation, Cat. 2, H315
Serious eye damage/eye irritation, Cat. 2, H319
Carcinogenicity, Cat. 2, H351
Specific target organ toxicity (single exposure, inhalation), Cat. 3, H335
Specific target organ toxicity (repeated exposure), Cat. 2, H373
Respiratory Sensitisation, Cat. 1, H334
Skin Sensitisation, Cat. 1, H317

The product is classified and labelled according to Regulation (EC) No. 1272/2008.

Additional information For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word

Danger

Hazard Statements

H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 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.

Precautionary statements

P101: If medical advice is needed, have product container or label at hand.
 P102: Keep out of reach of children.
 P201: Obtain special instructions before use.
 P260: Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 P264: Wash skin thoroughly after handling.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P284: Wear respiratory protection.
 P501: Dispose of contents/ container to an approved waste disposal plant.

Supplemental information

Contains isocyanates. May produce an allergic reaction.

Product identifier

methylenediphenyl diisocyanate, CAS-No. 26447-40-5, EC-No. 247-714-0
 4-Isocyanatosulphonyltoluene; Tosyl isocyanate, CAS-No. 4083-64-1, EC-No. 223-810-8

Packaging

Tactile warning of danger (EN/ISO 11683).

2.3. Other hazards

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

3. Composition/information on ingredients

Chemical characterization

One-component polyurethane adhesive.

Components	CLP Classification	Product identifier
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methylenediphenyl diisocyanate	< 50%	Carc. 2 H351, Acute Tox. 4 H332, STOT RE 2 H373, Eye Irrit. 2 H319, STOT SE 3 H335, Skin Irrit. 2 H315, Resp. Sens. 1 H334, Skin Sens. 1 H317 [CEy2: C ≥ 5 % CSk2: C ≥ 5 % SensIn1: C ≥ 0,1 % SSEIn3: C ≥ 5 %]	CAS-No.: 26447-40-5 EC-No.: 247-714-0 Index-No: 615-005-00-9
4-Isocyanatosulphonyltoluene; Tosyl isocyanate	< 0.3%	Eye Irrit. 2 H319, STOT SE 3 H335, Skin Irrit. 2 H315, Resp. Sens. 1 H334, EUH014 [CEy2: C ≥ 5 % SSEIn3: C ≥ 5 % CSk2: C ≥ 5 %]	CAS-No.: 4083-64-1 EC-No.: 223-810-8 Index-No: 615-012-00-7

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

4. First aid measures

4.1. Description of 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. If skin irritation persists, call a physician. Remove contaminated clothing and shoes.
Eye contact	If easy to do, remove contact lens, if worn. Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Ingestion	Do not induce vomiting without medical advice. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed None known.

4.3. Indication of any immediate medical attention and special treatment needed None known.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray. Foam. Dry powder. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons High volume water jet.

5.2. Special hazards arising from the substance or mixture In case of fire a dense black smoke is formed. In the event of fire do not breathe in. In the event of fire carbon monoxide, nitrogen oxides, vapours of isocyanate and traces of cyanic acid may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

Specific methods Water mist may be used to cool closed containers. There forms CO₂-Gas when in contact with water. This may cause overpressure in closed containers. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

Advice for emergency responders Use personal protective equipment.

6.2. Environmental precautions Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up Take up mechanically and collect in suitable container for disposal.

7. Handling and storage

7.1. Precautions for safe handling Provide sufficient air exchange and/or exhaust in work rooms. Handle with isocyanates usual precautions observed. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Wash hands and exposed skin before eating, drinking or smoking and after work.

7.2. Conditions for safe storage, including any incompatibilities Keep containers dry and tightly closed to avoid moisture absorption and contamination.

7.3. Specific end use(s) No information available.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) No data is available on the product itself.

methylenediphenyl diisocyanate (CAS 26447-40-5)

Austria - Occupational Exposure Limits - STELs - (MAK-KZWs)	0.01 ppm STEL [KZW] (all isomers)
Switzerland - Occupational Exposure Limits - TWAs - (MAKs)	0.1 mg/m ³ STEL [KZW] (all isomers)
Switzerland - Occupational Exposure Limits - STELs - (KZWs)	0.02 mg/m ³ TWA [MAK] (monomers and prepolymers, as total NCO)
Switzerland - Occupational Exposure Limits - STELs - (KZWs)	0.02 mg/m ³ STEL [KZW] (monomer and prepolymer, as total NCO)

8.2. Exposure controls

Occupational exposure controls Ensure adequate ventilation, especially in confined areas.

Personal protection equipment

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment. Respirator with A2/P2 filter.

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 conforming to EN166.

Skin and body protection Wear suitable protective clothing.

Thermal hazards No special measures required.

Environmental exposure controls No special measures required.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid.
Colour	Yellowish.
Odour	Very faint. Aromatic.
Odour Threshold	No information available.
pH:	No information available.
Melting point/range:	No data available.
Boiling point/range:	No data available.
Flash point:	>200°C
Evaporation Rate:	No information available.
Flammability:	No information available.
Explosion limits:	No information available.
Vapour pressure:	No information available.
Vapor density:	No information available.
Relative density:	1.15g/ml
Water solubility:	hydrolyses
Partition coefficient (n-octanol/water):	No information available.
Autoignition temperature:	Not applicable.
Decomposition temperature:	>480°C
Viscosity:	3'900 mPa.s (20°C)
Combustion/explosion hazards:	not hazardous
Oxidizing properties:	None

9.2. Other information

10. Stability and reactivity

10.1. Reactivity	No information available.
10.2. Chemical stability	No decomposition if stored and applied as directed.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.
10.5. Incompatible materials	Amines.
10.6. Hazardous decomposition products	None reasonably foreseeable.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity	methylenediphenyl diisocyanate (CAS 26447-40-5) Dermal LD50 Rabbit > 10000 mg/kg (OECD_SIDS) Inhalation LC50 Rat = 490 mg/m ³ 4 h(OECD_SIDS) Oral LD50 Rat > 10000 mg/kg (OECD_SIDS) 4-Isocyanatosulphonyltoluene; Tosyl isocyanate (CAS 4083-64-1) Inhalation LC50 Rat > 640 ppm 1 h(NLM_CIP) Oral LD50 Rat = 2234 mg/kg (NLM_CIP)
Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	No data available.
Respiratory / Skin Sensitisation	May cause sensitisation by inhalation. For oversensitized persons allergic reactions may occur even at isocyanate concentrations below the MAK-value.
Carcinogenicity	No data available.
Germ cell mutagenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Human experience	No data available.

12. Ecological information

12.1. Toxicity Ecological injuries are not known or expected under normal use.

methylenediphenyl diisocyanate (CAS 26447-40-5)

Ecotoxicity - Earthworm - Acute Toxicity Data	14 Days LC50 Eisenia foetida: >1000 mg/kg [soil dry weight] (IUCLID)
Ecotoxicity - Earthworm - No Observable Effect Concentration (NOEC) Data	14 Days NOEC Eisenia foetida: >=1000 mg/kg [soil dry weight] (IUCLID)
12.2. Persistence and degradability	No data available.
12.3. Bioaccumulative potential	No data available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	No information available.
12.6. Other adverse effects	Reacts with water by forming CO ₂ as well as an insoluble, solid and chemically inert poly urea.

13. Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Dispose of as special waste in compliance with local and national regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Do not dispose of waste into sewer.
Contaminated packaging	Empty containers should be taken for local recycling, recovery or waste disposal.

14. Transport information

ADR/RID	Not required.
IMDG	Not required.
IATA	Not required.
Further Information	Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulatory Information	The product is classified and labelled according to Regulation (EC) No. 1272/2008 (CLP). Water contaminating class (WGK Germany) = 1. Merkblatt BG Chemie: M050 Umgang mit Gefahrstoffen (für die Beschäftigten) M056 ODIN-Schlüsselverzeichnis "Krebserzeugende Gefahrstoffe"
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methylenediphenyl diisocyanate (CAS 26447-40-5)

EU - REACH (1907/2006) - Annex XVII Use restricted. See item 56. (Conditions of restrictions 27 December 2010)
- Restrictions on Certain Dangerous Substances

4-Isocyanatosulphonyltoluene (CAS 4083-64-1)

EU - REACH (1907/2006) - List of Registered Substances Present
Biocidal product

15.2. Chemical safety assessment	Not required.
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16. Other information

Revision Note	Safety datasheet sections which have been updated: 1-16.
Key or legend to abbreviations and acronyms	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
Full text of phrases referred to under sections 2 and 3	EUH014: Reacts violently with water. H315: Causes skin irritation. H317: May cause an 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.

Disclaimer

It is not to be considered a warranty or quality specification. 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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.