S A F E T Y D A T A S H E E T

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

PAVACOLL 310/600

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 Adhesive and sealant

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification

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safetydatasheet@pavatex.com
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SOPREMA GmbH
Harter Süd Strasse 12
8075 Hart bei Graz
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1.4. Emergency telephone number See 1.3

Issuing date 23.12.2016

Version 2

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, inhalation), Cat. 2, H373inh Respiratory Sensitisation, Cat. 1, H334 Skin Sensitisation, Cat. 1, H317
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. H373inh: May cause damage to organs through prolonged or repeated exposure if inhaled.
Precautionary statements	P201: Obtain special instructions before use. P260: Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection. P284: Wear respiratory protection. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental information	Contains isocyanates. May produce an allergic reaction.
Product identifier	4,4'-Methylenediphenyl diisocyanate, oligomers, CAS-No. 25686-28-6, EC-No. 500-040-3 propylene carbonate, CAS-No. 108-32-7, EC-No. 203-572-1

2.3. Other hazards

No information available.

3. Composition/information on ingredients

Chemical characterization Mixture.

Components		CLP Classification	Product identifier
4,4'-Methylenediphenyl diisocyanate, oligomers	20% - 25%	Skin Irrit. 2 H315, Eye Irrit. 2 H319, Skin Sens. 1 H317, Acute Tox. 4 H332, Carc. 2 H351, Resp. Sens. 1 H334, STOT SE 3 H335, STOT RE 2 H373i	CAS-No.: 25686-28-6 EC-No.: 500-040-3
propylene carbonate	2.5% - 5%	Eye Irrit. 2 H319	CAS-No.: 108-32-7 EC-No.: 203-572-1 Index-No: 607-194-00-1
Dibutylzinndilaurat	0.1% - 1%	Acute Tox. 3 H301, Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT RE 2 H373, Aquatic Chronic 1 H410	CAS-No.: 77-58-7 EC-No.: 201-039-8

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. If breathing is difficult, give oxygen.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye contact Rinse thoroughly with plenty of water, also under the eyelids. If easy to do, remove contact lens, if worn. If eye irritation persists, consult a specialist.

Ingestion Immediately give plenty of water (if possible charcoal slurry).

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	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media which must not be used for safety reasons	None.
5.2. Special hazards arising from the substance or mixture	During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

5.3. Advice for firefighters

Special protective equipment for firefighters	Standard procedure for chemical fires.
Specific methods	No special measures required.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel	No special measures required.
Advice for emergency responders	Handle in accordance with good industrial hygiene and safety practice.
6.2. Environmental precautions	No special environmental precautions required.
6.3. Methods and material for containment and cleaning up	Small quantities: Wipe up with adsorbent material (e.g. cloth, fleece). Large quantities: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). After cleaning, flush away traces with water.

7. Handling and storage

7.1. Precautions for safe handling	No special technical protective measures required. When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.
7.2. Conditions for safe storage, including any incompatibilities	Store at room temperature in the original container. Protect from frost.
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.

8.2. Exposure controls

Occupational exposure controls General industrial hygiene practice. Wash hands before breaks and at the end of workday.

Personal protection equipment

Respiratory protection In case of good ventilation no personal respiratory protective equipment required. Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). Respirator with combination filter for vapour/particulate (EN 141). Class A2 P2

Hand protection Gloves made of Nitril. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection Avoid contact with eyes. Safety glasses with side-shields conforming to EN166.

Skin and body protection No special measures required.

Thermal hazards Do not heat the product.

Environmental exposure controls No special measures required.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid. Paste.
Colour	No information available.
Odour	Mild.
Odour Threshold	No information available.
pH:	not applicable
Melting point/range:	No information available.
Boiling point/range:	100 °C
Flash point:	111 °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:	~ 1.54 g/ml
Water solubility:	insoluble
Partition coefficient (n-octanol/water):	No information available.
Autoignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Combustion/explosion hazards:	not hazardous
Oxidizing properties:	None

9.2. Other information

General Product Characteristics	No information available.

10. Stability and reactivity

10.1. Reactivity	No information available.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
10.4. Conditions to avoid	Avoid moisture. Vapours in contact with fire or red-hot surfaces may form decomposition products with highly irritating and warning effects. Polymerisation occurs when exposed to white light, ultraviolet light or heat.
10.5. Incompatible materials	Humid air and water. Acids and bases. Amines. Alcohols.
10.6. Hazardous decomposition products	None under normal use.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity	**Propylene carbonate (CAS 108-32-7)** Dermal LD50 Rabbit > 20 mL/kg (NLM_CIP) Oral LD50 Rat = 29000 mg/kg (NLM_CIP) **Dibutyltin dilaurate (CAS 77-58-7)** Dermal LD50 Rabbit = 630 mg/kg (NZ_CCID) Oral LD50 Rat = 45 mg/kg (NZ_CCID)
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Serious eye damage/eye irritation
Respiratory / Skin Sensitisation	May cause sensitization of susceptible persons by skin contact. May cause sensitisation by inhalation.

Carcinogenicity	Suspected of causing cancer.
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)	May cause damage to organs (Lungs) through prolonged or repeated exposure if inhaled.
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.

Propylene carbonate (CAS 108-32-7)

Ecotoxicity - Freshwater Fish - Acute Toxicity Data	96 h LC50 Cyprinus carpio: >1000 mg/L [semi-static]
Ecotoxicity - Water Flea - Acute Toxicity Data	48 h EC50 Daphnia magna: >500 mg/L
Ecotoxicity - Freshwater Algae - Acute Toxicity Data	72 h EC50 Desmodesmus subspicatus: >500 mg/L

12.2. Persistence and degradability	No data is available on the product itself.
12.3. Bioaccumulative potential	Does not bioaccumulate.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
12.6. Other adverse effects	No information available.

13. Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Offer surplus and non-recyclable solutions to an established disposal company. Where possible recycling is preferred to disposal or incineration. The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging	Empty containers can be recycled or landfilled together with domestic waste.

14. Transport information

ADR/RID	Not regulated.
IMDG	Not regulated.
IATA	Not regulated.
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.

Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer (CAS 25686-28-6)

EU - No-Longer Polymers List (67/548/EEC)	NLP No. 500-040-3
EU - REACH (1907/2006) - List of Registered Substances	Present

Propylene carbonate (CAS 108-32-7)

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

Dibutyltin dilaurate (CAS 77-58-7)

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

15.2. Chemical safety assessment	Not required.

16. Other information

Key or legend to abbreviations and acronyms	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
Key literature references and sources for data	According to information supplied by the manufacturer.
Classification procedure	Calculation method.
Full text of phrases referred to under sections 2 and 3	H301: Toxic if swallowed. 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.
H373inh: May cause damage to organs through prolonged or repeated exposure if inhaled.
H410: Very toxic to aquatic life with long lasting effects.

Training advice

For further information, please also consult our Internet site.

Instructions for use

Restricted to professional users.

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. 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.