

732 Tixbond

Safety Data Sheet

Issue date: 30/11/2023 According to Regulation (UE) 1272/2008 Revision date: 11/2023 Replace version: Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : 732 Tixbond
Type of product : adhesives

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

1.2.1. Relevant identified uses

Use of the substance/mixture : adhesives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Connect Products B.V.
Duurzaamheidsring 220
4231 EX Meerkerk, The Netherlands
Tel: +31 (0)347 341 916
<http://connectproducts.nl>

1.4. Emergency telephone number

Emergency number : 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Respiratory sensitisation, Category 1 H334
Skin sensitisation, Category 1 H317
Carcinogenicity, Category 2 H351

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS08

Signal word (CLP) :

Danger

Hazardous ingredients

: 4,4'-Methylenediphenyl diisocyanate, oligomers

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Hazard statements (CLP)	<p>: H317 - May cause an allergic skin reaction. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H351 - Suspected of causing cancer.</p>
Precautionary statements (CLP)	<p>: P102 – Keep out of reach of children P202 - Do not handle until all safety precautions have been read and understood. P261 – Avoid breathe dust/fume/gas/mist/vapours/spray. P280 – Wear protective gloves/protective clothing/eye protection/face protection. P284 – in case of inadequate ventilation, wear respiratory protection. P302+P352 – IF ON SKIN: Gently wash with plenty of soap and water P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P342+311 – If experiencing respiratory symptoms: Call a POISON CENTER doctor. P308+313 – IF exposed or concerned: Get medical advice/attention P405 – Store locked up P501 - Dispose of contents/container through a waste management company authorized by the local government</p>

2.3. Other hazards

The mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII in the Regulation (EC) No.1272/2008. Based on current knowledge, the mixture does not include greater than 0.1% the ratio of PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.1. Substances

Adhesive

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
4,4'-Methylenediphenyl diisocyanate	(CAS-No.) 25686-28-6 (EC-No.) 500-040-3	<5	Carc. 2, H351 Acute Tox. 4 (Inhalation), 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
Benzoyl Chloride	(CAS-No.) 98-88-4 (EC-No.) 202-710-8	<0.05	Acute Tox.4 (Inhalation), H332 Acute Tox.4 (Skin), H312 Acute Tox.4 (Ingestion), H302 Skin Irrit. 1B, H314 Skin Sens. 1, H317
Dibutyltin dilaurate	(CAS-No.) 77-58-7 (EC-No.) 201-039-8	<0.05	

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Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell. DO NOT induce vomiting

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects after inhalation : May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. See section 8

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

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6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.

Hygiene measures

: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EC No.	CAS No.	Component	TWA	STEL
-	25686-28-6	4,4'-methylenediphenyl diisocyanate	0.002 ppm	-
-	98-88-4	Benzoyl Chloride	-	1 ppm

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

: Liquid

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Appearance	: Paste.
Colour	: Transparent.
Odour	: Slight Aromatic
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: >100°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.13±0.03 g/cm ³
Solubility	: Reacts with water. insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
 Acute toxicity (dermal) : Not classified
 Acute toxicity (inhalation) : Not classified

Skin corrosion/irritation : May cause an allergic skin reaction
 Serious eye damage/irritation : Irritating to eyes. Causes excessive tearing. Eyelids may bond.
 Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Ingestion : Consult with a doctor in case of swallowing

EC No.	CAS No.	Component	TOXICITY
202-710-8	98-88-4	4,4'-methylenediphenyl diisocyanate	LD50 (oral):>5.000mg/kg-Rat. LD50 (dermal):>9.400 mg/kg-Rabbit. LC50 (inhalation): 0.493 mg/m ³ -Rat-Exposure time:4h
202-966-0	101-68-8	Benzoyl Chloride	LD50 (oral):>3.619mg/kg-Rat. LD50 (dermal):790mg/kg-Rabbit. LC50 (inhalation): 1.870 mg/m ³ -Rat-Exposure time:2h

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not biodegradable so, do not allow spreading soil, waterways or waste water canal

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EC No.	CAS No.	Component	TOXICITY
202-710-8	98-88-4	4,4'-methylenediphenyl diisocyanate	LC50: Fish>1000 mg/l – Duration:96h EC50: Daphnia >1000 mg/l – Duration :24h EC50: Algae >1640 mg/l – Duration: 72h
202-966-0	101-68-8	Benzoyl Chloride	LC50: Fish>34.7 mg/l – Duration:96h EC50: Daphnia >186 mg/l – Duration :96h EC50: Algae >45 mg/l – Duration: 72h

12.2. Persistence and degradability

EC No.	CAS No.	Component	TOXICITY
202-966-0	9016-87-9	Difenilmetan-4,4'-diisocyanate	Carp : 0.0008 mg/l – 28 d. BCF :92

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Based on current knowledge, the mixture does not include greater than 0.1% the ratio of PBT or vPvB substances

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

According to EC directive on health and safety precautions while working with chemicals (2009/161/EU) and Directive on Carcinogens or mutagens at work (2004/37/EC) there are no limitations on the products and materials

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Skin)	Acute toxicity (Skin), category 4
Acute Tox. 4 (ingestion)	Acute toxicity (Ingestion), Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 1	Skin corrosion/irritation, Category 1
Skin Irrit. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351	Suspected of causing cancer.

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