

Trade name Tomabond TB 77 anthrazit

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5 Fire fighting measures

- **Suitable extinguishing agents**
Use fire fighting measures that suit the environment.
CO₂, extinguishing powder or water spray jet. Fight larger fires with water spray jet.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
Ensure adequate ventilation.
Collect mechanically.
Dispose of the material collected according to regulations.
- **Additional information:** By a reaction with vapour (humidity) by-products are released. See chapter 8.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
No special requirements.
Observe regulations for the storage of water hazard substances according to the water hazard class (see chapter 12). These are specific for each country.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.
Protect from heat and direct sunlight.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical 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.
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**
While curing the following substances are formed and released by a reaction with atmospheric humidity:
105-44-2 Methylisobutylketoxim
This substance is rated as harmful and irritant. However no limit values for workplaces are settled yet.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
Keep away from foodstuffs, beverages and food.
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:** Not required.
- **Material of gloves** nicht anwendbar
- **Penetration time of glove material** nicht anwendbar

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- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form:	Pasty
Colour:	anthracite
Smell:	Characteristic

· Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not applicable

· **Flash point:** > 151°C

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Density at 20°C** 1.07 g/cm³

· **Solubility in / Miscibility with Water:** Not miscible or difficult to mix

10 Stability and reactivity

- **Conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of composition:**
None if stored according to specifications.
Beginning at approx. 150 °C small amounts of formaldehyde are formed by an oxidative decomposition.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EC 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 according to our experience and the information provided to us.

12 Ecological information:

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is not biodegradable.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.
WGK 3 (Switzerland): slightly hazardous for water.

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13 Disposal considerations

- **Product:**
- **Recommendation**
Not cured product may not be disposed off together with household waste and may not reach sewage system. To dispose off open product containers and let them stand at open air until the reaction is finished totally (means there is no more smell). After that, waste can be disposed off as the cured product.
Cured product can be deposited together with domestic waste. Observe the specific related regulations of local authorities.
- **European waste catalogue**
08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
- **Uncleaned packagings:**
- **Recommendation:**
Empty packages totally (without drops or grains, cleaned with a spatula). Under observation of the relevant local respectively national regulations re-use or recycling is preferred.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** -
- **Remarks:** No hazardous product according to ADR/RID respectively GGVS/GGVE
- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** -
- **Marine pollutant:** No
- **Remarks:** No hazardous substance according to IMDG respectively GGVSea
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Remarks:** No hazardous substance
- **UN "Model Regulation":** -

15 Regulatory information

- **Designation according to EC guidelines:**
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
Observe the normal safety regulations when handling chemicals
- **Special designation of certain preparations:**
Safety data sheet available for professional user on request.
- **National regulations**
If nothing other is noted, the following remarks refer to regulations of the Federal Republic of Germany.
- **Water hazard class:**
WGK 3 (Switzerland): slightly hazardous for water.
Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

The safety data sheet shows the essential physical, toxicological, ecological and safety data of this product as well as it gives recommendations for a safe handling e.g. at storage, usage and transport. The appropriate information shall be used to protect people and environment. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The consignee of our products must observe existing laws and regulations in his own responsibility even if these are not mentioned in this

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safety data sheet.

• Relevant R-phrases

- 10 Flammable.
- 22 Harmful if swallowed.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 36/38 Irritating to eyes and skin.
- 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- 53 May cause long-term adverse effects in the aquatic environment.

• Contact:

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• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals

• * Data compared to the previous version altered.

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