



SAFETY DATA SHEET

BTMSEAL PU 1000

According to Regulation (EU) 2015/830

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

1.1. Product identifier

Product name: BTMSEAL PU 1000

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

Identified uses Waterproofing
a one component, ready to use, which is applied as liquid, increased quality, save its elastic structure, which cure by reacting with moisture in the air,

Uses advised against polyurethane waterproofing coating.

1.3. Details of the supplier of the safety data sheet

Supplier BTM Inc.
BTM Fabrikası Kemalpaşa Organize Sanayi Bölgesi Mah. Gazi Bul.No:152
Postcode:35170
Kemalpaşa/Izmir/Turkey www.btm.co
Tel: +902328770402
Fax: +902328770410

1.4. Emergency telephone number

Emergency telephone Tel: +902328770402 (159)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Carcinogenicity Category 3 - H351
Flammable liquids Category 3 - H226
Acute toxicity Category 4 dermal – H332
Acute toxicity Category 4 inhalation – H332
Skin irritation Category 2 – H315

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H315 Causes skin irritation
H332 Harmful if inhaled
H351 Suspected of causing cancer

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P312 Call a POISON CENTER/doctor/...if you feel unwell.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P303+P361+P353 IF ON SKIN(or hair): Take off immediately all contaminated clothing.Rinse skin with water (or shower).
 P304+P340 IF INHALED:Remove person to fresh air and keep
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P322 Specific measures (see ... on this label).
 P363 Wash contaminated clothing before reuse.
 P370+P378 In case of fire: Use ... for extinction.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/container to ...

Contains: 4,4'-methylenediphenyl diisocyanate, Xylene

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Description Of The Substance

NAME	EINECS NO	CAS NO.	CONTENT %	CLASSIFICATION
				CLP
4,4'methylenediphenyl diisocyanate	202-966-0	101-68-8	0,1-0,3	Carcinogenicity, Category 2; H351 Acute toxicity, Category 4, inhalation;H332 Specific Target Organ Toxicity (repeated exposure), Category 2; H373 Eye irritation, Category 2; 319 Specific Target Organ Toxicity (single exposure), Category 3; H335 Skin irritation, Category 2; 315 Respiratory sensitisation, Category 1; 334 Skin sensitisation, Category 1; H317
1,2-Benzenedicarboxylic acid, di- C8-10-branched alkyl esters, C9- rich	271-090-9	68515-48-0	3-7	This substance is classified as not hazardous according to regulation (EC) 1272/2008
Xylene	215-535-7	1330-20-7	10-20	Flammable liquids, Category 3; H226 Acute toxicity, Category 4, dermal; H312 Acute toxicity, Category 4, inhalation; H332 Skin irritation, Category 2; H315
Calcium oxide	215-138-9	1305-78-8	0-1	Serious eye damage, Category 1;H318 Specific Target Organ Toxicity (single exposure), Category 3; H335

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3.2 Additional information:

All of the damage sentence the relevant definition given in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

4.1.2 Following inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

4.1.3 Following skin contact

Wash off with soap and plenty of water. Consult a physician.

4.1.4 Following eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.1.5 Following ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.1.6 Self-protection of the first aider

4.1.7 Notes for the doctor

· Unlikely to be required but if necessary treat symptomatically

SECTION 5: Firefighting measures

5.1 General Information and Flammable Properties

5.2 Special hazards arising from the substance or mixture:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 Unsuitable extinguishing media

No data available.

5.4 Special hazards arising from the product

Carbon oxides

5.5 Advice for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.6 Additional information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal Precautions, Protective Equipment And Emergency Procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2 Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet- brushing and place in container for disposal according to local regulations (see section 13).

6.4 Other Information:

Comply with local regulations.

6.5 Reference to other sections

· Dispose of contaminated material as waste in accordance with section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Flammable liquids

7.3 Specific End Uses:

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure Controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits:

No data available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Personal protective equipment

8.2.2.1 Eye / Face protection:

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



8.2.2.2 Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Fluorinated rubber Minimum layer

thickness: 0,7 mm Break through time: 480 min

Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M) Splash contact

Material: Fluorinated rubber Minimum layer

thickness: 0,7 mm Break through time: 480 min

Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

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data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be



evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body protection

- Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Other protection

- Handle in accordance with good industrial hygiene and safety practice.

8.2.2.3 Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.2.3 Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Viskoz sıvı
Colour	White, Grey, Brick Red,
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point (°C)	No data available
Initial boiling point and boiling range (°C)	No data available
Flash point (closed cup) , °C	No data available
Auto-ignition temperature (°C)	No data available
Evaporation rate	No data available
Density g/cm ³ @ 23°C	1,4
Viscosity @ 23°C (cp)	3000-7500

Note: The above features were determined according to prescribed methods at the Classification, Packaging and Labeling of Hazardous. Substances

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SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, flames and sparks

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 General Information

11.2 Acute toxicity

No data available.

11.3 Skin corrosion/irritation and eye damage/eye irritation

Causes skin irritation. Harmful in contact with skin.

11.4 CMR effects (Carcinogenity) :

Suspected of causing cancer .

11.5 CMR effects (Mutagenicity and Toxicity for reproduction) :

No data available.

11.6 Other Toxicological Effects:

Allergic Effects	No data available
Effects on Repeated Doses Chronic Exposures	No data available
Sensitization	No data available
Developmental Toxicity (Teratogenicity)	No data available
Fertility	No data available

11.7 STOT-single/repeated exposures:

STOT-single exposure	No data available
STOT-repeated exposure	No data available

11.8 Symptoms related to the physical, chemical and toxicological characteristics:

In case of inhalation	Harmful if inhaled.
In case of skin contact	Causes skin irritation. Harmful in contact with skin.
In case of eye contact	No data available.
In case of ingestion	No data available.

11.9 Additional Toxicological Information:

No data available

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SECTION 12: Ecological Information

12.1 Ecotoxicity:

No data available

12.2 Photo degradation

12.3 Effects on Waste Water Treatment Plants

No data available

12.4 Mobility

No data available

12.5 Results of PBT and vPvB assessment

Biotic	
Ready biodegradability:	No data available
Abiotic:	
Hydrolysis as a function of pH:	No data available
Photolysis:	No data available
Atmospheric oxidation:	No data available

· Persistence and degradability:

Decomposition Potential of the products	No data available
The half-life of degradation	No data available
Potential degradation of product content in the evaluation of wastewater treatment plants	No data available

· Bioaccumulation Potential :

Biological environment (biota) accumulation potential	No data available
Potential - nutrients pass through	No data available

12.6 Additional information

No data available

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SECTION 13: Disposal considerations

13.1 Product / Packaging disposal

- This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.
- If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means.
- Shelf life considerations should also be applied in making decisions of this type.
- Note that properties of a material may change in use, and recycling or reuse may not always be appropriate
- When recycling of the product is not possible, disposal to landfill or incineration in accordance with all applicable government laws and regulations is recommended.
- Disposal according to local authority regulations.
- Contact waste disposal services

13.2 Contaminated packaging

- If there is product residue in the emptied container, follow directions for handling on the container's label.
- Contaminated packaging must be emptied of all residues and can be recycled following appropriate cleaning.





13.3 Disposal Methods

- Dispose of chemicals waste or in accordance with local regulations.
- Follow all applicable local laws, rules and regulations regarding the proper disposal of this material.
- If this product has been altered or contaminated with other hazardous materials, appropriate waste analysis may be necessary to determine proper method for disposal

13.4 European Waste Catalogue

- The final classification has to be done together with the local waste disposal company / authority.

SECTION 14: Transport information

UN 1139 COATING SOLUTION				
	ADR ⁶ /RID ⁹	ADNR ⁶	IMDG ⁷	ICAO ⁸ /IATA ⁹
TRANSPORTATION	Road	River	Marine	Airways
UN/ID No.	1139	1139	113	113
PROPER SHIPPING NAME	UN 1139 COATING SOLUTION, N.O.S			
PICTOGRAM				

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PACKAGING GROUP	III	III	III	III
CLASS	3			
LABELLING NO	3			
CLASS CODE	F1			
HAZARD NO (HIN NO)	30			
EmS			F-E S-E	
MARINE Pollutant			NO	

SECTION 15: Regulatory information

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

National regulations Health and Safety at Work etc. Act 1974 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
CAS: Chemical Abstracts Service.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).

Key literature references and sources for data This SDS is prepared based on the information and documents received from product owner. SDS author shall not be responsible for incorrect prepared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.

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Hazard statements in full

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects

