

## BONDIT POLYURETHANE SEALANT (Construction)

## 01 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Trade Name : BONDIT POLYURETHANE SEALANT (CONSTRUCTION)  
Company : Akkim Yapı Kimyasalları San. Tic. ve A.Ş.  
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## 02 HAZARDS IDENTIFICATION

## 2.1 Hazard description:

Xn Harmful



## 2.1.1 Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 10 Flammable.

R 20 Harmful by inhalation.

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 42/43 May cause sensitization by inhalation and skin contact.

Contains isocyanates.

Keep away from sources of ignition - No smoking.

Keep out of the reach of children.

## 2.2 Classification system:

The classification is in line with current EC lists. It is extended, by information from technical literature and company information.

## 03 COMPOSITION / INFORMATION ON INGREDIENTS

Description: Mixture of substances listed below with nonhazardous additions.

Ingredients	CAS No.	EINECS No.	Conc. (% w/w)	Classification
4,4-methylenediphenyl diisocyanate	101-68-8	202-966-0	0.1-1%	Xn; R 20-36/37/38-42/43
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	203-777-6	0.1-2%	Xn; R- 10, 65, 51/53
Xylene	1330-20-7	215-535-7	0.1-2%	Xn; R-10, 20/21,38

## 04 FIRST AID MEASURES

## 4.1 General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 the accident.

4.2 After inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

4.3 After skin contact: Immediately wash with water and soap and rinse thoroughly.

# MATERIAL SAFETY DATA SHEET

**(MSDS)** According to EC Regulation 1907/2006/EEC and Subsequent Amendments

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**4.4 After eye contact:** Rinse opened eye for at least 15 minutes under running water. Consult a doctor.

**4.5 After swallowing:** If symptoms persist consult doctor.

## 05 FIRE FIGHTING MEASURES

**5.1 Protective equipment:** Mount respiratory protective device and wear protective equipment.

**5.2 Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

**5.3 For safety reasons unsuitable extinguishing agents:** Water with full jet.

## 06 ACCIDENTAL RELEASE MEASURES

**6.1 Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

**6.2 Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.

**6.3 Measures for cleaning/collecting:** Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

## 07 HANDLING AND STORAGE

### 7.1 Handling:

- Avoid contact and inhalation of the vapor does not eat or drinking while working do not smoke while working.

### 7.2 Storage:

- Keep container tightly closed and dry in a cool, well-ventilated place
- Keep away from food, beverages and animal feedstock
- Protect from frost
- Protect from heat and direct sunlight
- Protect from atmospheric moisture and water

## 08 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Personal protection equipment:

- General protective and hygiene measures
- Take care for sufficient ventilation or exhaust on the workshop place
- Avoid contact with eyes and skin
- Use barrier skin cream
- Remove soiled or soaked clothing immediately
- Do not eat, drink or smoke during work time
- Wash hands before breaks and after work

### 8.2 Hand protection:

- Butyl rubber/nitrile rubber gloves

### 8.3 Eye protection:

- Safety glasses

**8.4 Additional Information:** Wash hands before eating, drinking, smoking and using the toilet.

## 09 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General information

**Form :** Paste

**Colour :** Various colours

**Odour :** Characteristic

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**Specific Gravity** : 1,25 – 1,30  
**Solubility in water:** Reacts with water  
**VOC %:** <5

## 10 STABILITY AND REACTIVITY

- 10.1 Chemical stability:** This material is thermally stable when stored and used as directed.
- 10.2 Conditions to avoid:** No hazardous reactions when stored and handled according to prescribed instructions.
- 10.3 Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.
- 10.4 Hazardous reactions:** No information available.

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Acute toxicity

LD/LC50 values relevant for classification:

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

101-68-8 4,4'-methylenediphenyl diisocyanate

Oral	LD50
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No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or an effect that may arise if the product is mishandled and over expose sure occurs are:

#### 11.1.1 Acute Effects

**Sensitization:** Allergenic reaction can occur with sensitive persons.

**Inhalation:** Material may cause irritation.

**Skin contact:** May cause irritation.

**Eye contact:** May cause irritation.

#### 11.1.2 Long Term Effects

No information available for product.

## 12 ECOLOGICAL INFORMATION

### 12.1 Environmental fate and distribution:

Solid material, insoluble in water.

Do not allow to enter waste water drain, waterways or soil

## 13 DISPOSAL CONSIDERATIONS

**13.1 Product disposal:** Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

**13.2 Packaging disposal:** Dispose of in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

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## 14 TRANSPORT INFORMATION

### ADR

This material is not classified as dangerous under ADR regulations.

### RID

This material is not classified as dangerous under RID regulations.

### IMDG

This material is not classified as dangerous under IMDG regulations.

### IATA

This material is not classified as dangerous under IATA regulations.

## 15 REGULATORY INFORMATION

**Contains** : Diphenylmethane-4,4'-diisocyanate, isomers and homologous.

**Danger symbol** : Xn Harmful

### 15.1 Risk Phrases

- |          |  |
|----------|--|
| 20       | Harmful by inhalation.   |
| 36/37/38 | Irritating to eyes, respiratory system and skin.   |
| 42/43    | May cause sensitization by inhalation and skin contact.                                    |
| 51/53    | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |

### 15.2 Safety Phrases

- |       |   |
|-------|---|
| 2     | Keep out of reach of children.  |
| 23    | Do not breathe vapor.   |
| 36/37 | Wear suitable protective clothing and gloves.   |
| 45    | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |
| 46    | If swallowed, seek medical advice immediately and show this container or label.                             |
| 63    | In case of accident by inhalation: remove casualty to fresh air and keep at rest.                           |

**Extra information:** Contains isocyanates.

## 16 OTHER INFORMATION

All information and instructions provided in this Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS. The company supplying entity shall not be held responsible for any defect in the product covered by this MSDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

**Department issuing MSDS:** Product safety department.

**Contact:** Product safety department [info@akkim.net](mailto:info@akkim.net)