

# Material Safety Data Sheet

Bondloc PU52

Revised 03.08.10



## 1: IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY / UNDERTAKING

**PRODUCT NAME:** Bondloc PU52  
**MANUFACTURER:** Bondloc UK Limited,  
Bewdley,  
Worcestershire  
DY12 2TZ  
**Emergency Info:** +44 (0)1299 269 269

## 2: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	% by weight	CAS number	Hazard symbol	'R' Phrases
Naphtha (petroleum) hydradesulfurised heavy	1-2-5	64742-82-1	Xn. N	10, 65, 51/53
Xylene	2.5-10	1330-20-7	Xn	10,20/21, 38
3-isocyanatomethyl 3-5 5 trimethylcyclohexylisocyanate	0.1 - 1	4098 - 71 - 9	T	23, 36/37/38, 42/43

## 3: HAZARDS IDENTIFICATION

### 4: FIRST-AID MEASURES

#### First Aid for Inhalation:

Irritating to respiratory system. Inhalation of vapours is irritating to the respiratory system, may cause throat pain and a cough. Move to fresh air. Consult a doctor after significant exposure.

#### First Aid for Skin Contact:

Irritating to skin. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a doctor.

#### First Aid for Eye Contact:

Irritating to eyes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a doctor.

#### First Aid for Ingestion:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Consult a doctor if necessary. Do not induce vomiting.

## 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Medium	Alcohol resistant foam, dry powder, carbon dioxide, water spray jet
In the event of fire the following can be released	Isocyanates, carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride.
Possible in traces	Hydrogen cyanide
Protective fire fighting equipment	Use breathing apparatus
Additional	Dispose of fore debris and contaminated fire fighting water in accordance with local regulations

**6: ACCIDENTAL RELEASE MEASURES**

Personal precautions	Ensure adequate ventilation. Use personal protective equipment.
Environmental precautions	Do not let product enter drains. Prevent further leakage or spillage.
Methods for cleaning up	Pick up mechanically. When picked up treat material as prescribed under heading 'disposal'. Residues with small amount of alcohol-based solvent

**7: HANDLING AND STORAGE**

**Handling** Keep away from sources of ignition.  
No smoking

**Storage** Keep containers tightly close in a dry, cool and well-ventilated place. Keep away from food, beverages.

**8: EXPOSURE CONTROLS/PERSONAL PROTECTION****VENTILATION**

Do not inhale vapours. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Ensure adequate ventilation, especially in confined areas.

**RESPIRATORY PROTECTION** - In case of insufficient ventilation wear suitable respiratory equipment. Dust protection mask with vapour filter type A.

**HAND PROTECTION** - Rubber gloves.

**EYE PROTECTION** - Goggles/face shield.

**SKIN PROTECTION** - Wear chemical protective clothing. Barrier cream.

**9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Pasty
Colour	Various
Odour	Odourless
Decomposition Temperature	> 150°C
Flash point	80°C
Auto-ignition temperature	>200°C
Density @ 23°C	1.2 g/cm <sup>3</sup>
Solubility in water	Insoluble
pH value @ 20°C	N/A

**10: STABILITY AND REACTIVITY**

**Conditions to avoid** Formation of explosive gas/air mixtures.

**Materials to avoid** Due to high vapour pressure containers are liable to burst if temperature rises.

**Hazardous reactions possible with** Amines, alcohols.

**Hazardous Polymerisation** Non if used as prescribed.

**11: TOXICOLOGICAL INFORMATION**

<b>Effect of eye contact</b>	Irritant
<b>Effect of skin contact</b>	May cause irritation
<b>Effect of inhalation</b>	May cause irritation. Vapours have narcotic effect. Reaction-time and sense of co-ordination may be affected.
<b>Effect of ingestion</b>	may cause health disorders.

**12: ECOLOGICAL INFORMATION**

Products is water polluting. Do not allow to enter waster water canal, waterways or soil. A negative influence to the environment after curing is not known.

**13: DISPOSAL CONSIDERATIONS**

Must be disposed of in a special waste disposal unit in accordance with the corresponding regulations. Hydrogen halides must be removed by glue gas scrubbing. Completely emptied packaging can be given for recycling. Packaging that cannot be cleaned should be disposed of as product waste.

**14: TRANSPORT INFORMATION****U.S. Department of Transportation Ground (49 CFR):**

**Proper shipping name:** Unrestricted

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**International Air Transportation (ICAO/IATA):**

**Proper shipping name:** Unrestricted

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**WaterTransportation (IMO/IMDG):**

**Proper shipping name:** Unrestricted

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**Marine pollutant:** None

**UN No:** None

**IMDG:** -

**Packing Group:-**

**IATA/ICAO: -**

**Packing Group:-**

**ADR/RID: -**

**Item: -**

**Flash Point:-**

**Transport Name:** None-not hazardous for transport.

**15: REGULATORY INFORMATION**

**Labelling** Labelling in accordance to 88/379/EEC. The product is classified and labelled in accordance with EC directives/the relevant national laws. Special labelling for certain precautions (Annex III to 88/379/EEC). Contains isocyanates. Observe manufacturer's instructions.

**16: OTHER INFORMATION**

The normal handling and safety precautions for the use of chemical must be observed.

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health & safety legislation.

The provisions of the Health & Safety at work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

**PRECAUTIONS:** This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

**Warranty:** All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc is considered accurate but is furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Bondloc makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.