

# Material Safety Data Sheet

Bondloc B770 Polyolefin Primer

Revised 03.08.10



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

**PRODUCT NAME:** Bondloc B770  
**MANUFACTURER:** Bondloc UK Limited,  
Bewdley,  
Worcestershire  
DY12 2TZ  
**Emergency Info:** +44 (0)1299 269 269

## 2: COMPOSITION / INFORMATION ON INGREDIENTS

Substance	Hazard	% Wt.	CAS No.	EC No.
n-Heptane	N - Dangerous for the environment R50, R53 Xi - Irritant R38 R67 F - Highly flammable R11 Xn - Harmful R65	80 - 100	142-82-5	205-563-8

## 3: HAZARDS IDENTIFICATION

**R11** Highly flammable.  
**R38** Irritating to skin.  
**R65** Harmful: may cause lung damage if swallowed.  
**R67** Vapours may cause drowsiness and dizziness.  
**R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4: FIRST-AID MEASURES

**Inhalation:** Remove to fresh air. If symptoms develop and persist, get medical attention.  
**Skin contact:** Remove contaminated clothing and shoes. Rinse immediately with plenty of water and then wash with soap. Get medical attention if symptoms occur.  
**Eye contact:** Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.  
**Ingestion:** Do not induce vomiting. Give plenty of water to drink. Beware of aspiration if vomiting occurs – seek medical attention immediately.

## 5: FIRE-FIGHTING MEASURES

**Suitable Extinguishers:** Foam Dry Powder Carbon Dioxide  
**Combustion Behaviour:** Solvent containing flammable product. In case of fire toxic gases are released.  
**Special protection equipment for firefighters:** Wear self contained breathing apparatus.  
**Hazardous combustion products:** Oxides of carbon, oxides of nitrogen, irritating organic vapours.  
**Additional information:** In case of fire, keep containers cool with water spray.

## 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Remove sources of ignition. Ensure adequate ventilation.  
**Environmental precautions:** Do not let product enter drains.  
**Clean-up methods:** Wipe up using absorbent material Store in a partly filled, closed container until disposal.

**7: HANDLING AND STORAGE**

**Handling:** Use only in well-ventilated areas.

**Storage:** Store in a cool, dry place. Do not store near sources of heat or ignition, or reactive materials.

**8. Exposure Controls/Personal Protection**

Ingredient / CAS	ppm	mg/m3	Type	Category	Remarks
N-Heptane 142-82-5	500		Time Weighted Average (TWA)		EH40 WEL
N-Heptane 142-82-5	500	2.085	Time Weighted Average (TWA)	Indicative	ECLTV

**Respiratory protection:** Do not inhale vapors and fumes. Use only in well-ventilated areas.

**Hand protection:** The use of chemical resistant gloves such as Nitrile are recommended. In circumstances where there is a potential for prolonged or repeated skin contact, the use of disposable gloves (polyethylene, natural rubber or equivalent ester-resistant material) is recommended.

**Eye protection:** Wear protective glasses.

**Skin protection:** Suitable protective clothing

**General protection and hygiene measures:** Good industrial hygiene practices should be observed.

**9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Liquid
Colour	Colourless
Odor	Aliphatic
pH	N/A
Boiling point	96-98°C (204.8-208.4 °F)
Flash point	-2°C
Density	0.68 g/cm3
Solubility (water)	Not miscible
Solubility (Acetone)	Miscible
VOC content	100%

**10: STABILITY AND REACTIVITY****Conditions to avoid:**

Stable under normal conditions of storage and use.

**Materials to avoid:**

Strong oxidizing agents.

**11: TOXICOLOGICAL INFORMATION**

**Oral toxicity:** Health hazard; may cause damage to the lungs if swallowed

**Inhalative toxicity:** May cause headache and dizziness.

**Skin irritation:** Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals. Irritating to the skin.

**Eye irritation:** May cause mild irritation to the eyes.

**12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Do not empty into drains / surface water / ground water.

**Mobility:** The product evaporates readily.

Hazardous components CAS NO	Species	Exposure time	Value type	Value
n-Heptane 142-82-5	Ide, silver or golden orfe (leuciscus idus)	48h	LC 50	220 mg/l
n-Heptane 142-82-5	Water fle (Daphnia magna)	48h	EC 50	1.5 mg/l

**13: DISPOSAL CONSIDERATIONS**

**Product disposal:** Dispose of according to regulations.

**Waste code(EWC):** 140603

**Disposal of uncleaned packages:** Disposal must be made according to official regulations.

**14: TRANSPORT INFORMATION****Road transport ADR:**

**Class:** 3

**Packaging group:** II

**Classification code:** F1

**Hazard ident. number:** 33

**UN no.:** 1206

**Label:** 3

**Technical name:** Heptanes (solution)

**Tunnelcode:** (D/E)

**Additional substance property:** Environmentally Hazardous

**Railroad transport RID:**

**Class:** 3

**Packaging group:** II

**Classification code:** F1

**Hazard ident. number:** 33

**UN no.:** 1206

**Label:** 3

**Technical name:** Heptanes (solution)

**Tunnelcode:**

**Additional substance property:** Environmentally Hazardous

**Inland water transport ADN:**

**Class:** 3

**Packaging group:** II

**Classification code:** F1

**Hazard ident. number:**

**UN no.:** 1206

**Label:** 3

**Technical name:** Heptanes (solution)

**Additional substance property:** Environmentally Hazardous

**Marine transport IMDG:**

**Class:** 3

**Packaging group:** II

**UN no.:** 1206

**Label:** 3

**EnS:** F-E, S-D

**Seawater pollutant:** Marine polutant

**Proper shipping name:** Heptanes (solution)

**Air transport IATA:**

<b>Class:</b>	3
<b>Packaging group:</b>	II
<b>Packaging instructions (passenger)</b>	305
<b>Packaging instructions (cargo)</b>	307
<b>UN no.:</b>	1206
<b>Label:</b>	3
<b>Proper shipping name:</b>	Heptanes (solution)

**15: REGULATORY INFORMATION****Symbol(s) & Indication(s) of DANGER****Xn - Harmful****N - Dangerous for the environment****F - Highly flammable**

Contains - n-Heptane

**Risk phrases:**

- R11 Highly flammable.  
 R38 Irritating to skin.  
 R65 Harmful: may cause lung damage if swallowed.  
 R67 Vapours may cause drowsiness and dizziness.  
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:**

- S16 Keep away from sources of ignition - No smoking.  
 S23 Do not breathe vapour.  
 S28 After contact with skin, wash immediately with plenty of water and soap.  
 S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.  
 S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Additional labeling:**

For consumer use only: S2 Keep out of the reach of children S46 If swallowed, seek medical advice immediately and show this container or label.

**16: OTHER INFORMATION**

Risk phrases referred to in section 2:-

- R11 Highly flammable.  
 R38 Irritating to skin.  
 R50 Very toxic to aquatic organisms.  
 R53 May cause long-term adverse effects in the aquatic environment.  
 R65 Harmful: may cause lung damage if swallowed.  
 R67 Vapours may cause drowsiness and dizziness.

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 are 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.