

# SAFETY DATA SHEET

Garland PU Primer - 7750

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Issued: 16.07.2003

Revision No: 2

## 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

**Product name:** A9315

**Use of substance / mixture:** Primer

**Company name:** The Garland Company UK

Unit 5 Glevum Works

Upton Street

Gloucester

GL1 4LA

UK

Tel: (0) 1452 330646

Fax: (0) 1452 330657

Emergency tel: 0800 3285560

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## 2. HAZARDS IDENTIFICATION

**Classification under CHIP:** Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact.

**Workplace exposure limit:** This product has a workplace exposure limit: (UK: WEL 8 hr exposure 0.02mg/m3).

**PBT:** This substance is not identified as a PBT substance.

**Directive 1999/45/EC:** This mixture meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** DIPHENYLMETHANE-4,4'-DI-ISOCYANATE 1-10%

EINECS: 202-966-0 CAS: 101-68-8

[Xn] R20; [Xi] R36/37/38; [Sens.] R42/43

• XYLENE 50-70%

EINECS: 215-535-7 CAS: 1330-20-7

[-] R10; [Xn] R20/21; [Xi] R38

## 4. FIRST AID MEASURES

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin.  
Remove from skin with paper or towel. Wash effected area thoroughly with soap and water. Seek medical advice if symptoms persist. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

[cont...]

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

**Exposure hazards:** Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

## 7. HANDLING AND STORAGE

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Workplace exposure limits:** UK - 8 hour TWA: 0.02mg/m<sup>3</sup>  
UK - 15 min. STEL: 0.07mg/m<sup>3</sup>

**Hazardous ingredients:** DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

UK - 8 hour TWA: 0.02 mg/m<sup>3</sup>  
UK - 15 min. STEL: 0.07 mg/m<sup>3</sup>

- XYLENE

UK - 8 hour TWA: 220 mg/m<sup>3</sup>  
UK - 15 min. STEL: 441 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141).

**Hand protection:** Impermeable gloves. Viton gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Brown

**Odour:** Aromatic

**Evaporation rate:** Fast

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Not miscible

**Viscosity:** Non-viscous

**Boiling point/range°C:** 137

**Flammability limits %: lower:** 1.1

**upper:** 7.0

**Flash point°C:** 25

**Autoflammability°C:** 500

**Relative density:** 1.0

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions. Stable at room temperature.

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

**Materials to avoid:** Strong oxidising agents. Strong acids.

**Haz. decomp. products:** In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Harmful by inhalation and in contact with skin. Irritating to eyes, respiratory system and skin.

**Sensitisation:** May cause sensitisation by inhalation and skin contact.

## 11. TOXICOLOGICAL INFORMATION (SYMPTOMS)

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

## 12. ECOLOGICAL INFORMATION

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Biodegradable in part only.

**Bioaccumulative potential:** No data available.

**PBT identification:** This substance is not identified as a PBT substance.

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**13. DISPOSAL CONSIDERATIONS**

**Disposal of packaging:** Arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**

**ADR / RID**

<b>UN number:</b> 1993	<b>ADR Class:</b> 3
<b>Packing group:</b> III	<b>Classification code:</b> F1
<b>Shipping name:</b> FLAMMABLE LIQUID, N.O.S.	
<b>Labelling:</b> 3	<b>Hazard ID no:</b> 30



**IMDG / IMO**

<b>UN no:</b> 1993	<b>Class:</b> 3
<b>Packing group:</b> III	<b>EmS:</b> F-E,S-E*
<b>Marine pollutant:</b> no	<b>Labelling:</b> 3

**IATA / ICAO**

<b>UN no:</b> 1993	<b>Class:</b> 3
<b>Packing group:</b> III	<b>Packing instructions:</b> 309(P&CA); 310(CAO)
<b>Labelling:</b> 3	

**15. REGULATORY INFORMATION (CHIP)**

**Hazard symbols:** Harmful.



**Risk phrases:** R10: Flammable.  
 R20/21: Harmful by inhalation and in contact with skin.  
 R36/37/38: Irritating to eyes, respiratory system and skin.  
 R42/43: May cause sensitisation by inhalation and skin contact.

**Safety phrases:** S2: Keep out of the reach of children.  
 S9: Keep container in a well-ventilated place.  
 S16: Keep away from sources of ignition - No smoking.  
 S23: Do not breathe vapour.  
 S38: In case of insufficient ventilation, wear suitable respiratory equipment.

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S36/37: Wear suitable protective clothing and gloves.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

**Precautionary phrases:** Contains isocyanates. See information supplied by the manufacturer.

**Haz. ingredients (label):** DIPHENYLMETHANE-4,4'-DI-ISOCYANATE; XYLENE

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. OTHER INFORMATION

**Other information:** This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

\* indicates text in the SDS which has changed since the last revision.

**Risk phrases used in s.3:** R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitisation by inhalation and skin contact.

R10: Flammable.

R20/21: Harmful by inhalation and in contact with skin.

R38: Irritating to skin.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.