



since 1895

# SAFETY DATA SHEET

(Conforming to 1907/2006/EC)

Product Name:

## GARLATHANE CATALYST

SDS Reference

GT410

Version No. 2

Initial issue date

July 8<sup>th</sup> 2014

Revision date

01-06-2015

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

1.1 Product Name	Garlathane Catalyst		
1.2 Relevant Use(s)/misuse(s)	Low slope Roof Waterproofing		
1.3 SDS Supplier	The Garland Company UK Ltd Unit 5 Glevum Works Upton Street, Gloucester GL1 4LA, UK	Telephone: 01452 330646 Mobile: 07887 923 121 Website: www.garlandukltd.co.uk	
1.4 Emergency Telephone	44 (0)1452 330646 (Office hours)	Competent person e-mail: trevor@rising-hsande.co.uk	

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE MIXTURE

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

Flam Liq. 3 H226  
Acute Tox. 4 H312  
Acute Tox. 4 H332  
Skin Irrit. 2 H315  
Eye Irrit. 2 H319  
STOT RE 2 H373  
Aquatic Chronic 2 H411

#### 2.1.2 Additional information

See section 16 for full text of H statements and R phrases.

### 2.2 LABELLING ELEMENTS

Pictogram(s):



Signal word

WARNING

Hazard statement(s)

H226 FLAMMABLE LIQUID AND VAPOUR.  
H312 HARMFUL IN CONTACT WITH SKIN  
H315 CAUSES SKIN IRRITATION.  
H319 CAUSES SERIOUS EYE IRRITATION.  
H332 HARMFUL IF INHALED.  
H373 MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.  
H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

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**Precautionary statement(s)**

- P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. — NO SMOKING.
- P281 USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.
- P302+352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.
- P304+341 IF INHALED: IF BREATHING IS DIFFICULT, REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.
- P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
- P501 DISPOSE OF CONTENTS/CONTAINER TO AUTHORISED SITE. THE PREPARATION CONTAINS SUBSTANCES THAT HAVE A WORKPLACE EXPOSURE LIMIT (WEL)

## 2.3 OTHER HAZARDS

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation**

Mixture of organic substances

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
XYLENE	1330-20-7	215-535-7	<b>CLP:</b> Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	50-80%
N-BUTYL ACETATE	123-86-4	204-658-1	<b>CLP:</b> Flam. Liq. 3, H226; STOT SE 3, H336	2.5-10.0%
DIETHYLMETHYLBENZENEDIAMINE	68479-98-1	270-877-4	<b>CLP:</b> Acute Tox. 4, H302; Acute Tox. 4, H312; Eye Irrit. 2, H319, STOT RE 2, H373; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	10-25%

## 4. FIRST AID MEASURES

**4.1 Description of measures**

- Inhalation** Remove casualty to fresh air and provide warmth and rest. . If necessary, seek medical advice.
- Skin contact** Immediately clean areas of skin affected with plenty of water. If necessary, seek medical advice.
- Eye contact** Immediately wash out eye thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists), consult an eye specialist/ophthalmologist.
- Ingestion** Allow the patient to vomit on his own accord. Give copious water to drink; If necessary, seek medical advice.

**4.2 Most important effects/symptoms**

None known.

**4.3 Immediate/special treatment**

Treatment as described above.

## 5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing media** To suit local surroundings (e.g. carbon dioxide, foam or chemical powder). Do not use water.
- 5.2 Special hazards** Avoid run-off water entering the drains (e.g. use barriers)
- 5.3 Advice for fire fighters** Wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

<b>6.1 Personal precautions</b>	Adhere to personal protective measures.
<b>6.2 Environmental precautions</b>	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
<b>6.3 Methods and materials for cleaning up</b>	Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust, into tightly closed containers. Label container and dispose of as prescribed
<b>6.4 Reference to other sections</b>	See section 8 for personal protective equipment.

**7. HANDLING & STORAGE**

<b>7.1 Precautions for safe handling</b>	Handle in accordance with good hygiene and safety practice.
<b>7.2 Conditions for safe storage</b>	Keep containers tightly closed and in cool, dry, well-ventilated areas.
<b>7.3. Specific end use(s)</b>	Low slope Roof Waterproofing

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>8.1 Controls parameters</b>	Occupational Exposure Limits (WELs) have been assigned (EH40/2011).
	STEL (10 min): 100 ppm 441 mg/m <sup>3</sup> Data for xylene
	LTEL (8 hour TWA): 50 ppm 220 mg/m <sup>3</sup> Data for xylene
	STEL (10 min): 200 ppm 966 mg/m <sup>3</sup> Data for butyl acetate
	LTEL (8 hour TWA): 150 ppm 724 mg/m <sup>3</sup> Data for butyl acetate

**8.2 Exposure controls****Engineering controls**

Provide adequate ventilation (e.g. local exhaust ventilation).  
Avoid the build-up of electrostatic charges.

**Personal protection**

Observe normal standards for handling chemicals.  
Do not eat, drink or smoke in the working area  
Wash hands before breaks and after work.  
Those with a history of sensitisation should take appropriate protective measures  
Wear personal protective equipment appropriate to the task (see below)

**Eye protection**

Safety goggles (i.e. EN 166 approved)

**Skin protection**

Suitable gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)

**Respiratory protection**

If ventilation is insufficient, wear a NIOSH/OSHA respirator

**Other protection**

Protective overall



**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Basic physical and chemical properties**

Physical form	Liquid
Colour	Various
Odour	Characteristic
Odour threshold	Not determined
pH	Not determined
Boiling pt / range	Not determined °C
Melting pt / range	Not determined °C
Flash point	27 °C
Flammability	Not applicable
Thermal decomposition	Not applicable
Evaporation rate	Not applicable
Explosion limits	Lower: 1.1 vol%; Upper: 7.0 vol%
Auto-ignition temperature	Product is not selfigniting.
Decomposition temp.	Not applicable
Specific gravity	0.94 g/cm <sup>3</sup>
Vapour pressure	6.7 hPa @ 20 °C
Vapour density	Not applicable
Viscosity	Not determined
Water solubility	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined
Partition coeff. Log <sub>Oct/water</sub>	Not determined
<b>9.2 Other information</b>	Ignition temperature: 420 °C

**10. STABILITY AND REACTIVITY**

10.1 Reactivity	Hazardous polymerisation will not occur
10.2 Chemical stability	Stable under normal conditions of handling.
10.3 Hazardous reactions	Formation of explosive air/vapour mixtures is possible
10.4 Conditions to avoid	None known.
10.5 Incompatible material	Strong oxidising agents
10.6 Hazardous decomposition products	Not determined

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 information on toxicological effects

<b>Acute toxicity</b>	LD <sub>50</sub> rat (oral)	4300 mg/kg	Data for xylene
	LD <sub>50</sub> rabbit (derm)	2000 mg/kg	Data for xylene
	LD <sub>50</sub> rat (oral)	738 mg/kg	Data for diethylmethylbenzenediamine
	LD <sub>50</sub> rabbit (derm)	> 2000 mg/kg	Data for diethylmethylbenzenediamine
<b>Dermal compatibility</b>	No data available. Probable skin irritant.		
<b>Mucous membrane compatibility</b>	No data available.		
<b>Further information</b>	None known		

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	LC <sub>50</sub> Aquatic organisms	No data available
<b>12.2 Degradability</b>	Not determined	
<b>12.3 Bioaccumulative potential</b>	Not determined	
<b>12.4 Mobility in soil</b>	Not determined	
<b>12.5 PBT/vPvB assessment</b>	Not determined	
<b>12.6 Other adverse effects</b>	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.	

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment measures

**Advice on disposal** In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005. Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

## 14. TRANSPORT INFORMATION

<b>14.1 United Nations number</b> ADR, IMDG, IATA	UN1866
<b>14.2 Proper shipping name</b> ADR, IMDG, IATA	RESIN SOLUTION
<b>14.3 Transport class(s)</b> ADR, IMDG, IATA	3
<b>14.4 Packing group</b> ADR, IMDG, IATA	III
<b>14.5 Environmental hazards</b> ADR, IMDG, IATA	The product should not be marked as a marine pollutant
<b>14.6 Special procedures</b> ADR, IMDG, IATA	None known.
<b>14.7 Transport in bulk</b> ADR, IMDG, IATA	Not applicable



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## 15. REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations**

The product is classified in accordance with EC Regulation 1272/2008 (CLP), Other regulatory information and provisions are not applicable for this product.

**15.2 Chemical safety assessment**

Not applicable

## 16. OTHER INFORMATION

**Further information**

**Hazard statements referred to in sections 2-15**

H226: Flammable liquid and vapour.  
H302: Harmful if swallowed  
H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H332 Harmful if inhaled.  
H336: May cause drowsiness or dizziness.  
H373: May cause damage to organs through prolonged or repeated exposure.  
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,

**Sources of data**

Other suppliers' safety data sheets, EH40(2011)

**Date of issue**

01-06-2015

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