



since 1895

SAFETY DATA SHEET

(Conforming to 1907/2006/EC)

Product Name:

GARLA-FLEX

SDS Reference

Version No. 3

Initial issue date July 2008

Revision date

01-06-2015

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

1.1 Product Name **Garla-Flex (Product No. 9332)**

1.2 Relevant Use(s)/misuse(s) Sealant.

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
Asp. Tox. H304

2.1.2 Additional information

See section 16 for full text of H statements.

2.2 LABELLING ELEMENTS

2.2.1 Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)

Pictogram(s):



Signal word

DANGER

Hazard statement(s)

H226 FLAMMABLE LIQUID AND VAPOUR.
H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS

Precautionary statement(s)

P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOTSURFACES. — NO SMOKING.
P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
P308+313 IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.
P501 DISPOSE OF CONTENTS/CONTAINER TO HAZARDOUS OR SPECIAL WASTE COLLECTION SITE IN ACCORDANCE WITH LOCAL / REGIONAL / NATIONAL OR INTERNATIONAL REGULATIONS

2.3 OTHER HAZARDS

THE PREPARATION CONTAINS SUBSTANCES THAT HAVE A WORKPLACE EXPOSURE LIMIT (WEL)

3. COMPOSITION / INFORMATION ON INGREDIENTS**Chemical Characterisation**

MIXTURE

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
CRYSTALLINE QUARTZ	14808-60-7	238-878-4	Not classified	0.1-1.0%
PETROLEUM ASPHALT	8052-42-4	232-490-9	Not classified	30-60%
PETROLEUM NAPHTHA, LIGHT AROMATIC	64742-95-6	265-199-0	Flam. Liq. 3 H226; Asp. Tox. 1 H304	10-30%

4. FIRST AID MEASURES**4.1 Description of measures****Inhalation**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Skin contact

Clean areas of skin affected with plenty of water. If necessary, seek medical advice.

Eye contact

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

Vapours may cause drowsiness and dizziness.

4.3 Immediate/special treatment

Treatment as described above.

5. FIRE FIGHTING MEASURES**5.1 Extinguishing media**

To suit local surroundings (e.g. foam, carbon dioxide, dry powder or water fog). Do not use strong water jet.

5.2 Special hazards

Avoid run-off water entering the drains (e.g. use barriers). Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrocarbons are released in a fire

5.3 Advice for fire fighters

Wear self-contained breathing apparatus. Containers close to fire should be removed immediately or cooled with water.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions**

Adhere to personal protective measures.

6.2 Environmental precautions

Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

6.3 Methods and materials for cleaning up

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

6.4 Reference to other sections

See section 8 for personal protective equipment.

Product Name:

GARLA-FLEX

SDS Reference

7. HANDLING & STORAGE

7.1 Precautions for safe handling	Handle in accordance with good hygiene and safety practice. Take precautionary measures against static discharges. Avoid contact with oxidising agents.
7.2 Conditions for safe storage	Keep containers tightly closed and in cool, dry, well-ventilated areas.
7.3. Specific end use(s)	Sealant

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Controls parameters			
	LTEL (8 hour TWA):	0.1 mg/m ³	WEL data for crystalline uartz
	LTEL (8 hour TWA):	5 mg/m ³	WEL data for petroleum asphalt
	STEL (15 min.):	10 mg/m ³	WEL data for petroleum asphalt
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 Avoid inhalation of vapours/spray Wash hands before breaks and after work. 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	Thixotropic liquid.		
Colour	Off white.		
Odour	Mild		
Odour threshold	Not determined		
pH	Not determined		
Boiling pt / range	149°C - 179° °C		
Melting pt / range	Not determined °C		
Flash point	38°C TCC (Tag closed cup).		
Flammability	Not applicable		
Thermal decomposition	Not applicable		
Evaporation rate	0.1 (ButAc=1)		
Explosion limits	Not determined	Lower:	Upper:

9. PHYSICAL AND CHEMICAL PROPERTIES

Auto-ignition temperature	282°C
Decomposition temp.	Not applicable
Relative density	0.96
Vapour pressure	10 mm Hg @ 37.7°C
Vapour density	4.3
Viscosity	Not determined
Water solubility	Insoluble
Explosive properties	Not determined
Oxidising properties	Not determined
Partition coeff. Log _{Oct/water}	Not determined
9.2 Other information	Volatile By Vol. (%); 23-27%

10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions of handling.
10.2 Chemical stability	Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.
10.3 Hazardous reactions	Will not polymerise.
10.4 Conditions to avoid	Avoid heat, flames and other sources of ignition.
10.5 Incompatible material	Strong oxidising agents
10.6 Hazardous decomposition products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO ₂). Hydrocarbons.

11. TOXICOLOGICAL INFORMATION**11.1 information on toxicological effects**

Acute toxicity	LD ₅₀ rat (oral)	500 mg/kg	Quartz ESIS IEUCLID data sheet.
	LD ₅₀ rat (oral)	2000 mg/kg	Petroleum asphalt, REACH dossier information
	LD ₅₀ rabbit (derm)	>2000 mg/kg	Petroleum asphalt, REACH dossier information
	EC ₅₀ rat (inhal)	> 94.4 mg/m ³	Petroleum asphalt, REACH dossier information
Dermal compatibility	No data available. May cause slight skin irritation		
Mucous membrane compatibility	No data available. May cause slight eye irritation		
Further information	Vapours may cause headache, fatigue, dizziness and nausea.		

Product Name:

GARLA-FLEX

SDS Reference

12. ECOLOGICAL INFORMATION

12.1 Toxicity	EC ₅₀ Daphnia magna	>1000 mg/l	48hr petroleum asphalt**
12.2 Degradability	Not determined		
12.3 Bioaccumulative potential	Not determined		
12.4 Mobility in soil	Not determined		
12.5 PBT/vPvB assessment	Not determined		
12.6 Other adverse effects	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

14.1 United Nations number ADR, IMDG, IATA	UN1999
14.2 Proper shipping name ADR, IMDG, IATA	TARS, LIQUID
14.3 Transport class(s) ADR, IMDG, IATA	3
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards ADR, IMDG, IATA	The product should not be marked as a marine pollutant
14.6 Special procedures ADR, IMDG, IATA	None known.
14.7 Transport in bulk ADR, IMDG, IATA	Not applicable



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

Product Name:

GARLA-FLEX

SDS Reference

16. OTHER INFORMATION

Further information

The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP)

Hazard statements referred to in sections 2-15

H226 Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways .

Sources of data

Other suppliers' safety data sheets, EH40(2011)

Date of issue

01-06-2015

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Data sheet prepared by Rising HS&E Services.