



since 1895

# SAFETY DATA SHEET

(Conforming to 1907/2006/EC)

Product Name:

## TUFF COAT

SDS Reference

Version No. 3

Previous issue date September 2012

Revision date

01-06-2015

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

**1.1 Product Name** Tuff Coat (Product No. 1643)

**1.2 Relevant Use(s)/misuse(s)** Coating

**1.3 SDS Supplier** The Garland Company UK Ltd  
Unit 5 Glevum Works  
Upton Street, Gloucester  
GL1 4LA, UK

**1.4 Emergency Telephone** 44 (0)1452 330646 (Office hours)

**Telephone:** 01452 330646  
**Mobile:** 07887 923 121  
**Website:** www.garlandukltd.co.uk

**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)

Not classified

#### 2.1.2 Additional information

None known

### 2.2 LABELLING ELEMENTS

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

**Pictogram(s):** NONE

**Hazard statement(s)** NONE

**Precautionary statement(s)** NONE

#### Signal word

NONE

### 2.3 OTHER HAZARDS

THE PREPARATION CONTAINS A SUBSTANCE THAT HAS 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>
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	252-104-2	Not classified	10-30%
CALCIUM CARBONATE	1317-65-3	215-279-6	Not classified	10-30%

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

<b>Inhalation</b>	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Clean areas of skin affected with plenty of water. If necessary, seek medical advice.
<b>Eye contact</b>	Wash out eye thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists), consult an eye specialist/ophthalmologist.
<b>Ingestion</b>	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. foam, carbon dioxide, dry powder, 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**

**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.

**7. HANDLING & STORAGE**

**7.1 Precautions for safe handling** Handle in accordance with good hygiene and safety practice.

**7.2 Conditions for safe storage** Keep containers tightly closed and in cool, dry, well-ventilated areas. Store above freezing.

**7.3. Specific end use(s)** Coating

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>8.1 Controls parameters</b>	LTEL (8 hour TWA):	50 ppm	WEL data for dipropylene glycol monomethyl ether
	LTEL (8 hour TWA):	308 mg/m <sup>3</sup>	WEL data for dipropylene glycol monomethyl ether

**8.2 Exposure controls**

**Engineering controls** Provide adequate ventilation (e.g. local exhaust ventilation).

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Personal protection</b>	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)
<b>Eye protection</b>	Safety goggles (i.e. EN 166 approved)
<b>Skin protection</b>	Suitable gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
<b>Respiratory protection</b>	If ventilation is insufficient, wear a NIOSH/OSHA respirator
<b>Other protection</b>	Protective overall

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

<b>Physical form</b>	Liquid.		
<b>Colour</b>	White		
<b>Odour</b>	Mild		
<b>Odour threshold</b>	Not determined		
<b>pH</b>	Not determined		
<b>Boiling pt / range</b>	186 - 246.1	°C	
<b>Melting pt / range</b>	0	°C	
<b>Flash point</b>	37.7°C CC (Closed cup).		
<b>Flammability</b>	0.7% (lower)	6% (higher)	
<b>Thermal decomposition</b>	Not applicable		
<b>Evaporation rate</b>	< 1 (EtEt=1)		
<b>Explosion limits</b>	Not determined	Lower:	Upper:
<b>Auto-ignition temperature</b>	Not determined		
<b>Decomposition temp.</b>	Not applicable		
<b>Specific gravity</b>	1.462		
<b>Vapour pressure</b>	< 10 (solvent) mm Hg not noted		
<b>Vapour density</b>	>1		
<b>Viscosity</b>	Not determined		
<b>Water solubility</b>	Insoluble		
<b>Explosive properties</b>	Not determined		
<b>Oxidising properties</b>	Not determined		
<b>Partition coeff. Log<sub>Oct/water</sub></b>	Not determined		
<b>9.2 Other information</b>	Volatile By Vol. (%): 60.2%		

**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Stable under normal conditions of handling.
<b>10.2 Chemical stability</b>	Stable under normal conditions of handling.
<b>10.3 Hazardous reactions</b>	Will not polymerise.
<b>10.4 Conditions to avoid</b>	Store above freezing.
<b>10.5 Incompatible material</b>	None known
<b>10.6 Hazardous decomposition products</b>	None known

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

<b>Acute toxicity</b>	LD <sub>50</sub> rat (oral)	>5000	mg/kg	dipropylene glycol monomethyl ether**
	LD <sub>50</sub> rabbit (derm)	>5000	mg/kg	dipropylene glycol monomethyl ether**
	EC <sub>50</sub> rat (inhal)	>275	ppm	dipropylene glycol monomethyl ether**
	LD <sub>50</sub> rat (oral)	6450	mg/kg	Calcium carbonate ** REACH dossier information
<b>Dermal compatibility</b>	No data available. May cause slight skin irritation			
<b>Mucous membrane compatibility</b>	No data available. May cause slight eye irritation			
<b>Further information</b>	Vapours may cause headache, fatigue, dizziness and nausea.			

**12. ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	LC <sub>50</sub> Fish (zebra fish)	>1000	mg/l	Data for calcium carbonate
	EC <sub>50</sub> Daphnia magna	>1000	mg/l	Data for calcium carbonate, 24 hrs
	LC <sub>50</sub> Fish (guppy)	>1000	mg/l	Data for dipropylene glycol monomethyl ether**
	EC <sub>50</sub> Daphnia magna	1919	mg/l	Data for dipropylene glycol monomethyl ether**48 hrs ** REACH dossier information
<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**

<b>Advice on disposal</b>	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.
---------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Product Name:**

**TUFF COAT**

**SDS Reference**

## 14. TRANSPORT INFORMATION

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

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations</b>	The product is classified in accordance with EC Regulation 1272/2008 (CLP), Other regulatory information and provisions are not applicable for this product.
<b>15.2 Chemical safety assessment</b>	Not applicable

## 16. OTHER INFORMATION

### Further information

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

### Sources of data

Other suppliers' safety data sheets

### Date of issue

01-06-2015

It is your own responsibility, to examine and confirm if this material meets or suits any regulation or restriction in your country or of your local authority. To the best of our knowledge, the information contained herein is correct and accurate. However, neither JSR nor any of its subsidiaries assumes any liability whatsoever for the correctness or accuracy of the information contained herein. The precautionary items were based on ordinary handling. In case of special handling, safety measures in compliance with the application and usage shall be executed. Final determination of safety and suitability of any material is the sole responsibility of the keeper and user. All materials may present unknown hazards, and therefore should be handled with adequate caution. Although certain hazards are described herein, they may not be the only hazards in relation to the products.

Data sheet prepared by Rising HS&E Services.