



**Central Extrusions Ltd.**

Unit 7 Charlton Drive  
Corngreaves Trading Estate  
Cradley Heath  
West Midlands B64 7BJ

**Tel: 01384 413222**

**Fax: 01384 413004**

**www.centralextrusions.co.uk**

TO WHOM IT MAY CONCERN

Dear Sir

**RE: BRITISH STANDARD EN 14351-1  
4.6 DANGEROUS SUBSTANCES DECLARATION**

Central Extrusions confirms that products manufactured by Central Extrusions Ltd are not liable to emission or migration of dangerous substances during normal intended use.

Yours Faithfully  
Central Extrusions Ltd

Sue Harper  
Director

**CGP CHEMICALS**  
**SAFETY DATA SHEET**  
**CGP 2321**

Revision Date: 30/08/2012  
Revision 4  
Supersedes Date: 05/03/2012

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**Product name** CGP 2321  
**Internal Id** Glycerine Solution  
**REACH Registration notes** Exempt from Registration

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Glazing Gasket Coating

**1.3. Details of the supplier of the safety data sheet**

**Supplier** CGP Chemicals Ltd  
The Old Dairy  
Newton Road  
Newton Solney  
Burton on Trent  
DE15 0TQ  
T: +44 (0)1283 511101  
F: +44 (0)1283 511102  
W: www.cgpchemicals.co.uk

**Contact Person** sales@cgpchemicals.co.uk

**1.4. Emergency telephone number**

+44 (0)1283 511101 (office hours)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

**Classification (1999/45/EEC)** Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**2.2. Label elements**

**Label In Accordance With (EC) No. 1272/2008**

No pictogram required.

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**2.3. Other hazards**

None known.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

Glycerine	30-60%
CAS-No.: 56-81-5	EC No.: 200-289-5
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.

Soft Water	30-60%
CAS-No.: 7732-18-5	EC No.: 231-791-2
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.

Aliphatic Alcohol Ethoxylate	1-5%
CAS-No.: 68131-40-8	EC No.:
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 – H318	Classification (67/548/EEC) Xn; R22. Xi; R41

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**REACH Registration notes** Exempt from Registration

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

**Inhalation**

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

**Ingestion**

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

**Skin contact**

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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**4.2. Most important symptoms and effects, both acute and delayed**

**General information**

NOTE! Effects may be delayed. Keep affected person under observation.

**4.3. Indication of any immediate medical attention and special treatment needed**

No specific first aid measures noted.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

**Extinguishing media**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**5.2. Special hazards arising from the substance or mixture**

**Hazardous combustion products**

None under normal conditions.

**5.3. Advice for firefighters**

**Special Fire Fighting Procedures**

No specific fire fighting procedure given.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up**

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

**6.4. Reference to other sections**

For personal protection, see section 8.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact.

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**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

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

The identified uses for this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Ingredient Comments**

No exposure limits noted for ingredient(s).

**8.2. Exposure controls**

**Protective equipment**



**Engineering measures**

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapours.

**Respiratory equipment**

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

**Hand protection**

Use suitable protective gloves if risk of skin contact.

**Eye protection**

If risk of splashing, wear safety goggles or face shield.

**Other Protection**

Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Clear Mobile Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Slight odour.
<b>Solubility</b>	Soluble in water.
<b>Initial boiling point and boiling range</b>	~ 100
<b>Melting point (°C)</b>	~ 0
<b>Bulk Density</b>	~ 1000 kg/m <sup>3</sup>
<b>pH-Value, Conc. Solution</b>	~ 7.0

**9.2. Other information**

Critical Temperature (°C) +4°C - +32°C

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

Stable under normal temperature conditions.

**10.3. Possibility of hazardous reactions**

Not known.

**10.4. Conditions to avoid**

Avoid excessive heat for prolonged periods of time.

**10.5. Incompatible materials**

**Materials To Avoid**

No specific, or groups of materials are likely to react to produce a hazardous situation.

**10.6. Hazardous decomposition products**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Inhalation**

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

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**Ingestion**

May cause discomfort if swallowed.

**Skin contact**

Liquid may irritate skin.

**Eye contact**

Spray and vapour in the eyes may cause irritation and smarting.

SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity**

Not regarded as dangerous for the environment.

**12.1. Toxicity**

**Acute Fish Toxicity**

Not considered toxic to fish.

**12.2. Persistence and degradability**

**Degradability**

No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential**

No data available on bioaccumulation.

**12.4. Mobility in soil**

**Mobility:**

Not known.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**12.6. Other adverse effects**

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

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**SECTION 14: TRANSPORT INFORMATION**

<b>General</b>	The product is not covered by international regulation on the transport of dangerous good (IMDG, IATA, ADR/RID).
<b>Road Transport Notes</b>	Not Classified
<b>Rail Transport Notes</b>	Not classified.
<b>Sea Transport Notes</b>	Not classified.
<b>Air Transport Notes</b>	Not classified.

**14.1. UN number**

Not relevant

**14.2. UN proper shipping name**

Not relevant

**14.3. Transport hazard class(es)**

Not relevant

**Transport Labels** No transport warning sign required.

**14.4. Packing group**

Not relevant

**14.5. Environmental hazards**

**Environmentally Hazardous Substance/Marine Pollutant**  
No.

**14.6. Special precautions for user**

Not relevant

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not relevant

**SECTION 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.



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**Guidance Notes**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

<b>SECTION 16: OTHER INFORMATION</b>
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<b>Revision</b>	4
<b>Supersedes date</b>	05/03/2012
<b>Date</b>	15/09/2011
<b>Risk Phrases In Full</b>	
R22	Harmful if swallowed
NC	Not classified.
R41	Risk of serious damage to eyes.
<b>Hazard Statements In Full</b>	
H318	Causes serious eye damage.
H302	Harmful if swallowed.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



REG. NO 4058-101  
 ISSUE 3  
 DOC. DATE 10/06/2010  
 ISSUED BY mg  
 PRODUCTION UK

# 4058-101

## General

Dryflex 4058-101	Thermoplastic Elastomer
Base Material	TPS-SBS/SEBS
Hardness	55 Shore A
Colour	Black
Presentation	Free flowing pellets that can be processed without predrying when stored under normal conditions
Weather Resistance	Excellent
Ozone-/UV- Resistance	Excellent
Chemical Resistance	Moderate (excluding organic solvents, aromatic- and vegetable oils)
Recycling	100% recyclable
Mould Shrinkage (linear)	Appr. 0.75 - 2% depending on e.g. shape of the detail and placement of gate

## Special Features

An extrusion grade, developed to meet the requirements of BS 7412, for Glazing Gaskets (Class A). This grade has been assessed by BSI Testing and found to comply with the requirements of Class A materials.

## Processing

The material has excellent processing characteristics and can be processed using conventional thermoplastic fabricating methods, especially extrusion.

Processing Temperatures	Injection Moulding	Extrusion
Cylinder Temperatures °C	170-190	150-210
Mould Temperatures °C	15-40	

## Typical properties

Property	Units	Typical Value	Test Method
Hardness	Shore A	55	ISO 868
Specific Gravity	g/cm <sup>3</sup>	1.09	ISO 2781
Tensile Strength	MPa	3.5	ISO 37
Tear Strength	N/mm	22	ISO 34 Method C
Modulus @ 100% Strain	MPa	1.8	ISO 37
Elongation @ Break	%	600	ISO 37
Compression Set			
24 hours at 23 °C	%	27	ISO 815 Type B
24 hours at 70 °C	%	65	ISO 815 Type B

The above information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions, which may be made, are without guarantee, since the conditions of use are beyond our control. Dryflex grades have an expected shelf life of minimum 12 months after shipment date. The product should be stored in a dry and cool place in the manufacturer's original packaging.

# MATERIAL SAFETY DATA SHEET

Product Name: THERMOPLASTIC ELASTOMER COMPOUND  
Product Code: Dryflex®  
Issue No: 4  
Revision Date: 16<sup>th</sup> March 2012  
Replaces Issue No: 3  
Page: 1 of 4



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## SECTION 1 IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Name: Thermoplastic Elastomer (Compound)  
Product Code: Dryflex®  
Product Description: Raw material for the plastic industry.

This MSDS is relevant for the following materials: Dryflex series numbers – 1000, 2000, 3000, 4000 (Excluding 4070 through to 4079), 5000, 6000, 7000, 9000, 400, 500, 600, 660, XP, A1, A01, A2, A3. Other compounds covered in this MSDS are those categorised as being based upon SEBS, SBS or TPO (excluding compounds referenced as or containing flame retardant, hydrophilic tpe/additives and laser marking additive).

Supplier: ELASTO UK Ltd  
Don Street  
MIDDLETON  
MANCHESTER, M24 2GG

Telephone No: 00 44 (0)161 654 6616

Fax No: 00 44 (0)161 654 2333

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## SECTION 2 HAZARDS IDENTIFICATION

**Human Health Hazards:** During melt processing at elevated temperatures, and especially if heated above around 230C may form fumes which may cause irritation of respiratory tract, and possible coughing and sensation of shortness of breath.

Combustible if exposed to flames, or exposed to temperature on or above the flash point.

Toxic gases will form upon combustion.

During melt processing, skin contact with hot material may cause severe thermal burns.

Spills of pelletised compound on floor areas can produce a slippage hazard.

**Environmental effects:** No significant effects to our knowledge.

Hazard warning not required.

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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Description:** Thermoplastic Elastomer, TPE (Pellets/Granules)

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## SECTION 4 FIRST-AID MEASURES

### General Advice

**Inhalation:** When fumes of molten material are inhaled, move person to fresh air. In case of severe exposure, and if breathing difficulties continue, call for prompt medical attention.

**Skin contact:** Under normal handling of pellets wash with soap and water.

During processing of hot, molten material, any exposed area should be immersed or sprayed with large amounts of cold water to dissipate heat. Cover wound with sterile dressing. No attempt should be made to detach molten material from skin, or to remove contaminated clothing. In case of severe burns seek prompt medical attention.

**Eye contact:** Product is inert solid in pellet form. Remove from the eye as with any foreign object. Flush eye with large volumes of water.

# MATERIAL SAFETY DATA SHEET

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In the case of hot, molten material entering the eye, during processing, seek prompt medical attention, after flushing the eye with large volumes of water.

**Ingestion:** First aid not normally required in the case of small quantities being ingested. In the case of larger quantities possible abdominal pain and diarrhea may occur.

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## SECTION 5 FIRE-FIGHTING MEASURES

**Extinguishing Media:** Water spray, Foam, Dry Powder, Carbon Dioxide. Block the supply to the fire.

**Specific Hazards:** Dense smoke. Possible combustion products as well as carbon monoxide, carbon dioxide, various hydrocarbons (Avoid Inhalation).

**Protection of Firefighters:** Wear positive pressure, self contained breathing apparatus.

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Spilled pellets can be a slip hazard, especially on smooth floors.

**Environmental Precautions:** Pellets spilled into water must be removed before they enter watercourses or sewers. Advise authorities if material enters watercourses or sewers.

**Methods for cleaning up:** Sweep up into a container for recycle or suitable disposal. Remove pellets from water by skimming off surface or trawling from bottom. Contact authorities if all material cannot be recovered.

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## SECTION 7 HANDLING AND STORAGE

**Handling:** It is advised to use a power ventilation system in the vicinity of processing machines to remove possible fume emissions.

Molten masses, produced from purging machinery, should be cooled in a suitable area under supervision. All equipment should be earthed. Avoid flammable or explosive sources.

**Storage:** Store at ambient temperature (preferably 15 to 25C), but avoiding if possible extremes of temperature and humidity. Avoid double stacking of palletised material. Outdoor storage should be avoided (i.e. avoid direct sunlight). Although the material has a long "shelf life", (1 to 2 years), a first in - first out stock rotation system is recommended.

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## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Measures:** Good general ventilation for most processing equipment may be sufficient, but powered ventilation at areas of excessive fume (such as extruder dies, or injection moulding machine heads) may be necessary.

### Personal Protective Equipment:

**Respiratory protection:** During processing of the molten material adequate ventilation is required. A local exhaust system is recommended over areas of excessive fumes, if this is not practicable wear a dust mask.

**Hand protection:** It is recommended to wear protective gloves at all time when handling material. In the case of hot or molten material it is essential to wear heat protective gloves.

**Eye protection:** Where contact may occur use goggles or safety glasses with side shields. If contact with hot, processed material is possible, use a full face shield.

**Skin and Body protection:** When processing hot material use thermal resistant arm protection, aprons, and ideally a thermal resistant suit, and boots.

# MATERIAL SAFETY DATA SHEET

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**Control Parameters:** Threshold Limit Values (TLV) of 5mg/m<sup>3</sup> (respirable dust), and 10mg/m<sup>3</sup> (total dust) dust liberation is not likely to be reached under normal processing conditions.

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Solid Pellet/Granule

**Colour:** Natural or Black (Colour variants possible)

**Odour:** None to very weak aliphatic (In the case of compounds containing reprocessed materials a stronger rubberlike odour may be present).

**Decomposition temperature:** >260C

**Flashpoint:** >260C

**Auto ignition temperature:** >260C

**Density:** 700 – 2000 Kg/m<sup>3</sup>

**Solubility:** Insoluble in water.  
Soluble in hydrocarbons such as alkanes, cycloalkanes, aromatics, and paraffinic and naphthenic oils.

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## SECTION 10 STABILITY AND REACTIVITY

**Chemical stability:** Material is chemically stable under normal handling and storage conditions.

**Conditions to avoid:** Excessive heat. At temperatures above 230C the material may generate fume levels sufficient to cause eye and respiratory irritation.

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

**Hazardous decomposition products:** At high temperature processing, fumes may contain traces of hydrocarbons (e.g. methane, ethane, propane).

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## SECTION 11 TOXICOLOGICAL INFORMATION

**Acute toxicity:** None

**Local effects:** None

**Chronic or Long term toxicity:** None

**Sensitization:** None

**Special effects (carcinogenicity, mutagenicity, teratogenicity, narcosis):** None

**Exposure routes:**

**Ingestion:** Minimal toxicity. May cause obstruction if swallowed.

**Eye contact:** Pellets may scratch eye surface or cause irritation.

**Skin contact:** Negligible hazard at room temperature. Contact with hot material, (e.g. during processing), may cause thermal burns.

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**Inhalation:** At room temperature negligible hazard. Exposure to fume at elevated temperatures, (e.g. during processing), may cause irritation of the respiratory tract, and may cause coughing and a shortness of breath.

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## SECTION 12 ECOLOGICAL INFORMATION

Avoid losses to the environment wherever possible, material should not be dumped to ground water.

**Persistence / Degradability:** Material is not biodegradable.

**Ecotoxicity:** No indication this material should be a risk to the environment.

**Aquatic toxicity:** Negligible. Material is water insoluble.

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## SECTION 13 DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** The product can be recycled. Recycling is preferred to disposal or incineration.

Can be incinerated or landfilled, when in compliance with local regulations.

**Contaminated packaging:** Can be disposed of in same manner as the product.

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## SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations. Not restricted under IATA regulations.

Keep separated from foodstuffs.

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## SECTION 15 REGULATORY INFORMATION

Not classified as dangerous or subject to labeling requirements according to EC directive 1999/45, 1272/2008.

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## SECTION 16 OTHER INFORMATION

Please refer to Technical Data Sheets or Process Guides for additional information and guidelines on processing.

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NOTE: This data sheet has been compiled according to 1907/2006/EC

The information given in this safety data sheet is based on current knowledge and experience, although no representation, warranty, or guarantee is made to its accuracy, reliability, or completeness. This information is relevant only to materials outlined above, and may not be valid if the material is used in combination with other materials, or in any process. Customers should satisfy themselves as to the suitability and completeness of such information, for their own particular use.



# Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2008

This is to certify that:

Central Extrusions Ltd  
Unit 7  
Charlton Drive  
Corngreaves Trading Estate  
Cradley Heath  
B64 7BJ  
United Kingdom


Holds Certificate Number:

FM 75231

and operates a Quality Management System which complies with the requirements of ISO 9001:2008 for the following scope:

**The manufacture of flexible extrusions to suit customer requirements and the supply of double sided security tape, woolpiles and rigid extrusions.**

For and on behalf of BSI:



Gary Fenton, Global Assurance Director

Originally registered: 19/08/2003

Latest Issue: 23/03/2013

Expiry Date: 12/04/2016



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