

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

1.1 Product Identifier

Product Name: Jointex CSG (Resin) Part A

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

Identified Use(s): Resin component of the two-pack flexible joint filler.

Uses Advised Against: None Known

1.3 Details of the supplier of the safety data sheet

Company Name: Polycote UK LLP

Centre Point
Wolseley Road
Woburn Road Industrial Estate
Kempston
Beds
MK42 7EF

Telephone Number: 01234 846400

Emergency Contact Number: 111 (NHS England)

Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Regulation (EC) No. 1272/2008 (CLP):

Acute Tox. 2: Fatal if swallowed.

Acute Tox. 3: Toxic if inhaled.

Acute Tox. 3: Toxic in contact with skin.

Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.

Eye Irrit. 2: Causes serious eye irritation.

Flam. Liq. 2: Highly flammable liquid and vapour.

Skin Irrit. 2: Causes skin irritation.

Skin Sens. 1: May cause an allergic skin reaction.

STOT RE 2: May cause damage to organs through prolonged or repeated exposure.

STOT SE 3: May cause respiratory irritation.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP):

Hazard pictograms:



Signal word:

Danger

Hazard statements:

H225: Highly flammable liquid and vapour.

H300: Fatal if swallowed.

H311: Toxic in contact with skin.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statements:

None

2.3 Other hazards:


None known.

2.4 Additional Information:




For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance:

Hazardous Ingredient(s)	CAS No.	EC No. / REACH Registration No	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
N,N-dimethyl-p-toluidine	99-97-8	202-805-4	0.00	Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 STOT RE 2 H373 Aquatic Chronic 3 H412	

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS (continue)

Hazardous Ingredient(s)	CAS No.	EC No. / REACH Registration No	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
methyl methacrylate methyl 2-methylprop-2-enoate methyl 2-methylpropenoate	80-62-6	201-297-1 01-2119452498-28	0.00	Flam. Liq. 2 H225 Skin Irrit. 2 H315 Skin Sens. 1 H317 STOT SE 3 H335	
2-ethylhexyl acrylate	103-11-7	203-080-7	0.00	Skin Irrit. 2 H315 Skin Sens. 1 H317 STOT SE 3 H335	
1,1'-(p-tolylimino)dipropen-2-ol	38668-48-3	254-075-1	0.00	Acute Tox. 2 H300 Eye Irrit. 2B H320	

3.2 Mixture:

Non-applicable

SECTION 4: FIRST-AID MEASURES**4.1 Description of first aid measures:****By inhalation:**

Specific treatment (see Medical Advice on this label). Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.

By skin contact:

Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see Medical Advice on this label). Rinse skin with water. Call a POISON CENTER/doctor if you feel unwell.

By eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell. If eye irritation persists: Get medical advice/attention.

By ingestion/aspiration:

Rinse mouth. Specific treatment (see Medical Advice on this label). Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns. Allergic contact dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed:

Specific treatment (see Medical Advice on this label). Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES**5.1 Extinguishing media:****Suitable extinguishing media:**

Use to extinguish

Unsuitable extinguishing media

Water jet spray

5.2 Special hazards arising from the substance or mixture:

Highly flammable liquid and vapour. May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters:

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:**

Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 Environmental precautions:

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up:

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections:

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Wash hands and exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product.

SECTION 7: HANDLING AND STORAGE (continue)

7.2 Conditions for safe storage, including any

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Incompatibilities:

Storage temperature:

Ambient

Storage life:

Stable under normal conditions.

Incompatible materials:

None known.

7.3 Specific end use(s)

Resin component of the two-pack flexible joint filler.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020

Occupational Exposure Limits

Substance	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Methyl methacrylate	80-62-6	50	208	100	416	





Region	Source
Europe	EU Occupational Exposure Limits
United Kingdom	Workplace Exposure Limits (WEL)
Remark	Notes

8.2 Exposure controls:

8.2.1. Appropriate engineering controls

Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment

Pictogram	Remarks
 Eye Protection	Wear eye protection with side protection (EN166).
 Skin Protection	Wear protective clothing and gloves: Impervious gloves (EN 374).
 Respiratory Protection	A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
 Thermal hazards	None known.

8.2.3. Environmental exposure controls:

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

For complete information see the product datasheet.

Appearance

Colour:

Liquid

Odour:

Colourless

Odour threshold:

Ester Like

PH:

Not known

Melting point/freezing point:

Not known

Initial boiling point and boiling range:

ca.100 °C (1,013 hPa)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)

Flash Point:	10 °C (DIN 51755) (methyl methacrylate)
Evaporation rate:	Not known
Flammability (solid, gas):	Not known
Upper/lower flammability or explosive limits:	12.5 %(V) (methyl methacrylate); 2.1 %(V) at 10,5 °C (methyl methacrylate)
Vapour pressure:	ca. 40 hPa (20 °C)
Vapour density:	ca. 40 hPa (20 °C)
Density (g/ml):	0.99 g/cm ³ (20 °C)
Relative density:	> 1 (20 °C)
Solubility(ies)	Solubility (Water): ca. 20 g/l (20 °C) Solubility (Other):
Partition coefficient: n- octanol/water:	Not available
Auto-ignition temperature:	430 °C (DIN 51794) (methyl methacrylate)
Decomposition Temperature (°C)	Not known
Viscosity:	630 - 940 mPa·s (23 °C), (Brookfield)
Explosive properties:	Not known
Oxidising properties:	Not known
9.2 Other information	None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	None anticipated.
10.2 Chemical stability:	Stable under normal conditions.
10.3 Possibility of hazardous reactions:	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid:	Avoid friction, sparks, or other means of ignition.
10.5 Incompatible materials:	Not known.
10.6 Hazardous decomposition products:	No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:	
Acute toxicity - Ingestion:	Fatal if swallowed. LD50 rat, OECD 401, Related to substance: methyl methacrylate LD50 rat, Related to substance: 2-ethylhexyl acrylate LD50 rat, Related to substance: N,N- bis-(2-hydroxypropyl)-p- > 5,000 mg/kg 4,435 mg/kg 25 - 200 toluidine mg/kg
Acute toxicity - Skin Contact:	Toxic in contact with skin. LD50 rabbit, Related to substance: methyl methacrylate, > 5,000 mg/kg Practically non-toxic in contact with skin LD50 rabbit, Related to substance: 2- ethylhexyl acrylate > 5,000 mg/kg
Acute toxicity - Inhalation:	Toxic if inhaled. LC50 rat, Related to substance: methyl methacrylate 29.8 mg/l LCLo mouse, Related to substance: 2-ethylhexyl acrylate 0.6 mg/l
Skin corrosion/irritation:	Causes skin irritation. Properties of components in summary. Related to substance: product irritating
Serious eye damage/irritation:	Causes serious eye irritation. Contact with the eyes may cause irritation. Properties of components in summary. Related to substance: product
Skin sensitization data:	May cause an allergic skin reaction. sensitization In sensitization tests on guinea pigs with and without adjuvant, both positive and negative results were found. In humans various types of allergic reactions have been observed (symptoms: headache, eye irritations, skin affections). Related to substance: methyl methacrylate May cause sensitisation by skin contact. Related to substance: 2- ethylhexyl acrylate
Respiratory sensitization data	Sensitization In sensitization tests on guinea pigs with and without adjuvant, both positive and negative results were found. In humans various types of allergic reactions have been observed (symptoms: headache, eye irritations, skin affections). Related to substance: methyl methacrylate May cause sensitisation by skin contact. Related to substance: 2- ethylhexyl acrylate
Germ cell mutagenicity	Positive as well as negative results in in vitro mutagenicity/ genotoxicity tests. No experimental indication of genotoxicity in vivo available. In summary not mutagenic according to internationally accepted criteria. Related to substance: 2- ethylhexyl acrylate
Carcinogenicity	Several long-term skin painting studies for carcinogenicity in mice were conducted and gave contradictory results. On the basis of all existing information no definite conclusion on a cancerogenic activity can be drawn. Related to substance: 2-ethylhexyl acrylate
Reproductive toxicity	Not classified
Lactation	Not classified
STOT - single exposure	May cause respiratory irritation.

SECTION 11: TOXICOLOGICAL INFORMATION (continue)

STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not applicable
11.2 Other information	Not known

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Harmful to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	EC50 Daphnia magna, 79/831/EEC V, C, 24 h 50.32 mg/l Related to substance: 2-ethylhexyl acrylate EC50 Daphnia magna, 79/831/EEC V, C, 48 h 17.45 mg/l Related to substance: 2-ethylhexyl acrylate EC50 Daphnia magna, OECD 202, flow through, 48 h 69 mg/l Related to substance: methyl methacrylate
Toxicity - Fish	LC50 Leuciscus idus, fish test according to Mann, DEV L15, 48 h 23 mg/l Related to substance: 2-ethylhexyl acrylate LC50 Oncorhynchus mykiss, rainbow trout, OECD 203, flow > 79 mg/l through, GLP, 96 h Related to substance: methyl methacrylate
Toxicity - Algae	LC50 Scenedesmus subspicatus, OECD 201, 72 h 44 mg/l Related to substance: 2-ethylhexyl acrylate EC3 Scenedesmus quadricauda, DIN 38412 section 9, 8 d 37 mg/l Related to substance: methyl methacrylate
Toxicity - Sediment Compartment	Not classified
Toxicity - Terrestrial Compartment	Not classified
12.2 Persistence and Degradation	Biodegradable (monomer constituent)
12.3 Bioaccumulative potential	No specific test data available no evidence for hazardous properties (structure- activity-relationships) (analogy)
12.4 Mobility in soil	No specific test data available
12.5 Results of PBT and vPvB assessment	Not known
12.6 Other adverse effects	Not known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number:	1866
14.2 UN proper shipping name:	RESIN SOLUTION, flammable (vapour pressure at 50 °C more than 110 kPa)
14.3 Transport Hazard Class(es):	
ADR/RID	
ADR/RID Class	3
ADR Classification Code	F1
Special Provisions	640C
Limited Quantities	5 L
Excepted Quantities	E2
Emergency Action Code	•3YE
ADR Classification Code	F1
Mixed Packing Instructions for Packages	P001
Special Packing Provisions for Packages	PP1
Mixed Packing Instructions for Packages	MP19
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP8
Tank Code for Tanks	L1.5BN
Special Provisions for Tanks	Not applicable
Vehicle for Tank Carriage	FL
ADR Transport Category	2
Tunnel Restriction Code	D/E
Special Provisions for Carriage - Packages	Not applicable
Special Provisions for Carriage - Bulk	Not applicable
Special Provisions for Carriage - Loading, Unloading and Handling	Not applicable
Special Provisions for Carriage - Operation	S2 S20
ADR HIN	33

SECTION 14: TRANSPORT INFORMATION (continue)
IMDG

IMDG Class	3
Special Provisions	640C
Limited Quantities	5 L
Excepted Quantities	E2
Mixed Packing Instructions for Packages	P001
Special Packing Provisions for Packages	PP1
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP8
IMDG EMS	F-E,
Stowage and Handling	B
Segregation	Not determined

ICAO/IATA

Excepted Quantities	E2
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y341
Passenger and Cargo Aircraft Limited Quantities Max net Qty	1L
Passenger and Cargo Aircraft Packing Instructions	353
Passenger and Cargo Aircraft Max net Qty	5L
Cargo Aircraft Packing Instructions	364
Cargo Aircraft Max net Qty	60L
Special Provisions	Not applicable
Emergency Response 3L Guidebook (ERG) Code	3L

Labels

Label	3
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14.4 Packing Group	II
14.5 Environmental hazards	Not classified as a Marine Pollutant.
14.6 Special precautions for user	Not known
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	No information available

SECTION 15: REGULATORY INFORMATION
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation	Not listed
REACH: ANNEX XIV list of substances subject to authorisation	Not listed
REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	methyl methacrylate methyl 2-methylprop-2-enoate methyl 2-methylpropenoate (80-62-6)
Community Rolling Action Plan (CoRAP)	Methyl methacrylate (80-62-6)
Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants	Not listed
Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer	Not listed
Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals	Not listed

National regulations

Other	Not known
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15.2 Chemical Safety Assessment	A REACH chemical safety assessment has not been carried out
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SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

SECTION 16: OTHER INFORMATION (continue)

Hazard Pictogram



Hazard classification

GHS02 GHS06 GHS08 GHS07
 Acute Tox. 2: Acute toxicity, Category 2
 Acute Tox. 3: Acute toxicity, Category 3
 Aquatic Chronic 3: Hazardous to the aquatic environment, Chronic, Category 3
 Eye Irrit. 2B: Serious eye damage/irritation, Category 2B
 Flam. Liq. 2: Flammable liquid, Category 2
 STOT RE 2: Specific target organ toxicity - repeated exposure, Category 2
 STOT SE 3_H335: Specific target organ toxicity - single exposure, Category 3
 Skin Irrit. 2: Skin corrosion/irritation, Category 2
 Skin Sens. 1: Skin sensitization, Category 1

Hazard Statement(s)

H225: Highly flammable liquid and vapour.
 H300: Fatal if swallowed.
 H301: Toxic if swallowed.
 H311: Toxic in contact with skin. H315: Causes skin irritation.
 H317: May cause an allergic skin reaction. H319: Causes serious eye irritation.
 H320: Causes eye irritation. H331: Toxic if inhaled.
 H335: May cause respiratory irritation.
 H373: May cause damage to organs through prolonged or repeated exposure.
 H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233: Keep container tightly closed.
 P240: Ground and bond container and receiving equipment.
 P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.
 P242: Use non-sparking tools.
 P243: Take action to prevent static discharges.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands and exposed skin thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P311: Call a POISON CENTER/doctor.
 P312: Call a POISON CENTER/doctor if you feel unwell.
 P314: Get medical advice/attention if you feel unwell.
 P321: Specific treatment (see Medical Advice on this label).
 P330: Rinse mouth.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P361+P364: Take off immediately all contaminated clothing. And wash it before reuse.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P370+P378: In case of fire: Use to extinguish.
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P403+P235: Store in a well-ventilated place. Keep cool.
 P405: Store locked up.
 P501: Dispose of contents in accordance with local, state or national legislation.

Passenger aircraft/rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 CAS: Chemical Abstracts Service
 CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
 DNEL: Derived No Effect Level
 EC: European Community
 EINECS: European Inventory of Existing Commercial Chemical Substances

SECTION 16: OTHER INFORMATION (continue)

IATA: International Air Transport Association
IBC: Intermediate Bulk Container
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods
LTEL: Long term exposure limit
PBT: Persistent, Bioaccumulative and Toxic
PNEC: Predicted No Effect Concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL: Short term exposure limit
STOT: Specific Target Organ Toxicity
UN: United Nations
vPvB: very Persistent and very Bioaccumulative

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

1.1 Product Identifier

Product Name: Jointex CSG (Powder) Part B

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

Identified Use(s): Resin component of the two-pack flexible joint filler.

Uses Advised Against: None known

1.3 Details of the supplier of the safety data sheet

Company Name: Polycote UK LLP

Centre Point
Wolseley Road
Woburn Road Industrial Estate

Kempston

Beds

MK42 7EF

Telephone Number: 01234 846400

Emergency Contact Number: 111 (NHS England)

Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Regulation (EC) No. 1272/2008 (CLP):

Aquatic Acute 1: Very toxic to aquatic life.

Eye Irrit. 2: Causes serious eye irritation.

Org. Perox. B: Heating may cause a fire or explosion.

Skin Sens. 1: May cause an allergic skin reaction.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP):

Hazard pictograms:



Signal word:

Danger

Hazard statements:

H241: Heating may cause a fire or explosion.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

Precautionary statements:

None

2.3 Other hazards:

None known.

2.4 Additional Information:


For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance:

Not applicable

3.2 Mixtures:

Hazardous Ingredient(s)	CAS No.	EC No. / REACH Registration No	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Crystalline Silica Quartz		604-504-7	0.00	Not classified	
barium sulfate	7727-43-7	231-784-4	0.00	Not classified	
dibenzoyl peroxide benzoyl peroxide	94-36-0	202-327-6 01-2119511472-50	0.00	Org. Perox. B H241 Skin Sens. 1 H317 Eye Irrit. 2 H319	
chromium (III) oxide	1308-38-9	215-160-9 01-2119433951-39	0.00	Not classified	

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures:

By inhalation:

Treat symptomatically

By skin contact:

Take off immediately all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Medical Advice on this label).

By eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

By ingestion/aspiration:

Treat symptomatically.

SECTION 4: FIRST-AID MEASURES (continue)**4.2 Most important symptoms and effects, both acute and delayed**

May cause irritation. Allergic contact dermatitis

4.3 Indication of any immediate medical attention and special treatment needed:

Specific treatment (see Medical Advice on this label). Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES**5.1 Extinguishing media:**

Suitable extinguishing media: Use to extinguish

Unsuitable extinguishing media: None

5.2 Special hazards arising from the substance or mixture:

Heating may cause a fire or explosion. Explosion risk.

5.3 Advice for firefighters:

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:**

Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions:

Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up:

Collect spillage. Sweep up spilled substance and remove to safe place. Use vacuum equipment for collecting spilt materials, where practicable. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections:

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original packaging. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Protect from sunlight. Store separately.

Storage temperature:

Store at temperatures not exceeding °C/°F.

Storage life:

Stable under normal conditions.

Incompatible materials:

None known.

7.3 Specific end use(s)

MMA expansion joint system for cold temperatures.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters:****8.1.1 Occupational Exposure Limits**

Occupational Exposure Limits						
Substance	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Barium sulphate inhalable dust	7727-43-7		10			
Barium sulphate respirable dust	7727-43-7		4			
Dibenzoyl peroxide	94-36-0		5			
Chromium (III) compounds (as Cr)	1308-38-9		0.5			





Region	Source
Europe	EU Occupational Exposure Limits
United Kingdom	Workplace Exposure Limits (WEL)
Remark	Notes

8.2 Exposure controls:**8.2.1. Appropriate engineering controls**

Provide adequate ventilation, including appropriate local extraction. A washing facility/water for eye and skin cleaning purposes should be present.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

8.2.2. Personal protection equipment

Pictogram	Remarks
 Eye Protection	Wear eye protection with side protection (EN166).
 Skin Protection	Wear protective clothing and gloves: Impervious gloves (EN 374).
 Respiratory Protection	Where engineering controls are not fitted or inadequate wear suitable respiratory protective equipment. A suitable dust mask or dust respirator with filter type P (EN143 or EN405) may be appropriate.
 Thermal hazards	None known.

8.2.3. Environmental exposure controls:

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

For complete information see the product datasheet

Appearance	Solid
Colour:	Blue Grey when mixed
Odour:	Not known
Odour threshold:	Not known
PH:	Not known
Melting point/freezing point:	Not known
Initial boiling point and boiling range:	Not applicable
Flash Point:	Not applicable
Evaporation rate:	Not known
Flammability (solid, gas):	Not known
Upper/lower flammability or explosive limits:	Not known
Vapour pressure:	Not known
Vapour density:	Not known
Density (g/ml):	Not known
Relative density:	Not known
Solubility(ies)	Solubility (Water): Not known Solubility (Other): Not known
Partition coefficient: n- octanol/water:	Not known
Auto-ignition temperature:	Not known
Decomposition Temperature (°C)	Not known
Viscosity:	Not known
Explosive properties:	Not known
Oxidising properties:	Not known

9.2 Other information None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	None anticipated.
10.2 Chemical stability:	Stable under normal conditions.
10.3 Possibility of hazardous reactions:	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid:	Keep away from heat and direct sunlight.
10.5 Incompatible materials:	Not known.
10.6 Hazardous decomposition products:	No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity - Ingestion:	Low acute toxicity
Acute toxicity - Skin Contact:	Low acute toxicity
Acute toxicity - Inhalation:	Low acute toxicity
Skin corrosion/irritation:	Non-irritant
Serious eye damage/irritation:	Self classification: Causes serious eye irritation.
Skin sensitization data:	Self classification: May cause an allergic skin reaction.
Respiratory sensitization data:	Not classified
Germ cell mutagenicity:	There is no evidence of mutagenic potential.
Carcinogenicity:	No evidence of carcinogenicity
Reproductive toxicity:	Not classified
Lactation:	Not classified
STOT - single exposure:	Not classified
STOT - repeated exposure:	Not classified
Aspiration hazard:	Not classified
11.2 Other information	Not known

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Very toxic to aquatic life.
Toxicity - Aquatic invertebrates	EC50: 0.11 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea)
Toxicity - Fish	LC50: 0.06 mg/l Exposure time: 96 h
Toxicity - Algae	EC50: 0.06 mg/l Exposure time: 72 h Species: algae
Toxicity - Sediment Compartment	Not classified
Toxicity - Terrestrial Compartment	Not classified
12.2 Persistence and Degradation	Not known
12.3 Bioaccumulative potential	Not known
12.4 Mobility in soil	Not known
12.5 Results of PBT and vPvB assessment	Not known
12.6 Other adverse effects	Not known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Normal disposal is via incineration operated by an accredited disposal contractor. Dispose at suitable refuse site.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

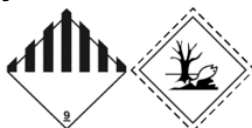
14.1 UN number:	3077
14.2 UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
14.3 Transport Hazard Class(es):	
ADR/RID	
ADR/RID Class	9
ADR Classification Code	M7
Special Provisions	274 335 601
Limited Quantities	5 Kg
Excepted Quantities	E1
Emergency Action Code	22
Mixed Packing Instructions for Packages	P002 IBC08 LP02 R001
Special Packing Provisions for Packages	PP12 B3
Mixed Packing Instructions for Packages	MP10
Packing Instructions for Portable Tanks	T1 BK1 BK2
Special Provisions for Portable Tanks	TP33
Tank Code for Tanks	SGAV LGBV
Special Provisions for Tanks	Not applicable
Vehicle for Tank Carriage	AT
ADR Transport Category	3

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SECTION 14: TRANSPORT INFORMATION (continue)

Special Provisions for Carriage - Packages	V13
Special Provisions for Carriage - Bulk	VV1
Special Provisions for Carriage - Loading, Unloading and Handling	CV13
Special Provisions for Carriage - Operation	Not applicable
ADR HIN	90
IMDG	
IMDG Class	9
Special Provisions	274 335 601
Limited Quantities	5 kg
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P002 IBC08 LP02 R001
Special Packing Provisions for Packages	PP12 B3
Packing Instructions for Portable Tanks	T1 BK1 BK2
Special Provisions for Portable Tanks	TP33
IMDG EMS	Not applicable
Stowage and Handling	Not applicable
Segregation	Not determined
ICAO/IATA	
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited	Y956
Quantities Packing Instructions	
Passenger and Cargo Aircraft Limited	30Kg
Quantities Max net Qty	
Passenger and Cargo Aircraft Packing	956
Instructions	
Passenger and Cargo Aircraft Max net Qty	400Kg
Cargo Aircraft Packing Instructions	956
Cargo Aircraft Max net Qty	400Kg
Special Provisions	A97, A158, A179, A197
Emergency Response 3L Guidebook (ERG) Code	9L
Labels	
Label	9



14.4 Packing Group	III
14.5 Environmental hazards	Classified as a Marine Pollutant.
14.6 Special precautions for user	Not known
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	No information available

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation	Not listed
REACH: ANNEX XIV list of substances subject to authorisation	Not listed
REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not listed
Community Rolling Action Plan (CoRAP)	Not listed
Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants	Not listed
Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer	Not listed

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SECTION 15: REGULATORY INFORMATION (continue)

National regulations

Other Not known

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

Hazard Pictogram



GHS01 GHS02 GHS07 GHS09

Hazard classification

Eye Irrit. 2: Serious eye damage/irritation, Category 2
Org. Perox. B: Organic peroxide, Category B
Skin Sens. 1: Skin sensitization, Category 1

Hazard Statement(s)

H241: Heating may cause a fire or explosion.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H400: Very toxic to aquatic life.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234: Keep only in original packaging.
P235: Keep cool.
P240: Ground and bond container and receiving equipment.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash hands and exposed skin thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see Medical Advice on this label).
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P370+P380+P375+P378: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use to extinguish.
P391: Collect spillage.
P403: Store in a well-ventilated place.
P410: Protect from sunlight.
P411: Store at temperatures not exceeding °C/°F.
P420: Store separately.
P501: Dispose of contents in accordance with local, state or national legislation.

Passenger aircraft/rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS: Chemical Abstracts Service
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL: Derived No Effect Level
EC: European Community
EINECS: European Inventory of Existing Commercial Chemical Substances
IATA: International Air Transport Association
IBC: Intermediate Bulk Container
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods
LTEL: Long term exposure limit
PBT: Persistent, Bioaccumulative and Toxic
PNEC: Predicted No Effect Concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL: Short term exposure limit
STOT: Specific Target Organ Toxicity

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Material Safety Datasheet

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

