

BIG BOY PLASTIC FLEXIBLE FILLER BIG31

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

1.1. Product identifier

Big Boy Plastic Flexible Filler (250ml)

ref: BIG31

Other means of identification

Non-applicable

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

Relevant uses: Car repair; filler for joints, cracks, etc.... For professional users only.

Uses advised against: All uses not specified in this section or in Section 7.3

1.3. Details of the supplier of the safety data sheet

Silverhook
Unit 14 Bates Road
Harold Wood, London, England
RM3 0JH
Tel.: +44 (0) 1708330500
Fax.: +44 (0) 1708330504
Email: 522@silverhook.co.uk
Responsible person email: 522@silverhook.co.uk

1.4. Emergency telephone number

+44 (0) 1708330500 (during office hours)

SECTION 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

CLP Regulation (EC) No 1272/2008

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008

Eye Irrit. 2: Eye irritation, Category 2, H319

Flam. Liq. 3: Flammable liquids, Category 3, H226

Repr. 2: Reproductive toxicity, Category 2, H315

STOT Re 1: Specific target organ toxicity – repeated exposure, Hazard Category 1, H372

2.2. Label elements

CLP Regulation (EC) No 1272/2008

Danger



Hazard statements

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Repr. 2: H361d - Suspected of damaging the unborn child.

Skin Irrit. 2: H315 - Causes skin irritation.

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

P201: Obtain special instructions before use.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.

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.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Supplementary information

EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Substances that contribute to the classification

Styrene.

2.3. Other hazards

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

BIG BOY PLASTIC FLEXIBLE FILLER BIG31

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substance

Non-applicable.

3.2. Mixture

Chemical description

Mixture composed of chemical products

Components

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 100-42-5 EC: 202-851-5 Index: 601-026-00-0 REACH: 01-2119457861-32-XXXX	styrene⁽¹⁾ ATP ATP06		10 - <25 %
	Regulation 1272/2008	Acute Tox. 4: H332; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 1: H372 - Danger	
CAS: 7727-43-7 EC: 231-784-4 Index: Non-applicable REACH: 01-2119491274-35-XXXX	Barium Sulfate⁽²⁾ Not classified		5 - <10 %
	Regulation 1272/2008		
CAS: 13463-67-7 EC: 236-675-5 Index: Non-applicable REACH: 01-2119489379-17-XXXX	Titanium dioxide (aerodynamic diameter ≤ 10 µm)⁽¹⁾ Self-classified		1 - <2,5 %
	Regulation 1272/2008	Carc. 2: H351 - Warning	
CAS: 14808-60-7 EC: 238-878-4 Index: Non-applicable REACH: Non-applicable	Quartz (1 % < RCS < 10%)⁽²⁾ Self-classified		<1 %
	Regulation 1272/2008	STOT RE 2: H373 - Warning	

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

⁽²⁾ Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult Sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in Sections 2 and 11.

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

Non-applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).

Unsuitable extinguishing media

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2. Special hazards arising from the substance or mixture

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

BIG BOY PLASTIC FLEXIBLE FILLER BIG31

5.3. Advice for firefighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See Section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders

See Section 8.

6.2. Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3. Methods and material for containment and cleaning up

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult Section 13.

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

A. - Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (Section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B. - Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult Section 10 for conditions and materials that should be avoided.

C. - Technical recommendations to prevent ergonomic and toxicological risks

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See Section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D. - Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See Subsection 6.3)

7.2. Conditions for safe storage, including any incompatibilities

A. - Technical measures for storage

Minimum Temp.: 15°C
Maximum Temp.: 25°C
Maximum time: 12 Months

B. - General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see Subsection 10.5

7.3. Specific end use(s)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

BIG BOY PLASTIC FLEXIBLE FILLER BIG31

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification		Occupational exposure limits		
Barium Sulfate CAS: 7727-43-7 EC: 231-784-4	IOELV (8h)			0.5 mg/m ³
	IOELV (STEL)			
Quartz (1 % < RCS < 10%) CAS: 14808-60-7 EC: 238-878-4	IOELV (8h)			0.1 mg/m ³
	IOELV (STEL)			

DNEL (Workers)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
styrene CAS: 100-42-5 EC: 202-851-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	406 mg/kg	Non-applicable
	Inhalation	289 mg/m ³	306 mg/m ³	85 mg/m ³	Non-applicable
Barium Sulfate CAS: 7727-43-7 EC: 231-784-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	10 mg/m ³	10 mg/m ³

DNEL (General population)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
styrene CAS: 100-42-5 EC: 202-851-5	Oral	Non-applicable	Non-applicable	2.1 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	343 mg/kg	Non-applicable
	Inhalation	174.25 mg/m ³	182,75 mg/m ³	10.2 mg/m ³	Non-applicable
Barium Sulfate CAS: 7727-43-7 EC: 231-784-4	Oral	Non-applicable	Non-applicable	13000 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	10 mg/m ³	Non-applicable

PNEC:

Identification					
styrene CAS: 100-42-5 EC: 202-851-5	STP	5 mg/L	Fresh water		0.028 mg/L
	Soil	0.2 mg/kg	Marine water		0.014 mg/L
	Intermittent	0.04 mg/L	Sediment (Fresh water)		0.614 mg/kg
	Oral	Non-applicable	Sediment (Marine water)		0.307 mg/kg
Barium Sulfate CAS: 7727-43-7 EC: 231-784-4	STP	62.2 mg/L	Fresh water		0.115 mg/L
	Soil	207.7 mg/kg	Marine water		Non-applicable
	Intermittent	Non-applicable	Sediment (Fresh water)		600.4 mg/kg
	Oral	Non-applicable	Sediment (Marine water)		Non-applicable





8.2. Exposure controls

A. - Individual protection measures, such as personal protective equipment

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have CE marking in accordance with Directive 2016/425/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see Subsection 7.1.



All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B. - Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	 CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.
 Compulsory use of face mask	Filter mask for particles (Filter type: FFP3)	 CAT III	EN 149:2001+A1:2009	Replace when an increase in resistance to breathing is observed.



BIG BOY PLASTIC FLEXIBLE FILLER BIG31

C. - Specific protection for the hands





Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	NON-disposable chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)		EN ISO 374-1:2016+A1:2018 EN 16523-1:2015+A1:2018 EN 420:2004+A1:2010	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

As the product is a mixture of several substances, the resistance of the glove material cannot be calculated in advance with total reliability and has therefore to be checked prior to the application.



D. - Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E. - Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties		EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties		EN ISO 13287:2013 EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.

F. - Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see Subsection 7.1.D

Volatile organic compounds

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	20.1 % weight
V.O.C. density at 20°C:	26 kg/m ³ (26 g/L)
Average carbon number:	8.02
Average molecular weight:	104.54 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

For complete information see the product datasheet.

Appearance

Physical state at 20°C:	Liquid
Appearance:	Fluid
Colour:	 Grey
Odour:	Characteristic
Odour threshold:	Non-applicable

Volatility

Boiling point at atmospheric pressure:	122°C
Vapour pressure at 20°C:	2027 Pa
Vapour pressure at 50°C:	10683.8 Pa (10.68 kPa)
Evaporation rate at 20°C:	Non-applicable

Product description

Density at 20°C	1860 kg/m ³
Relative density at 20°C	1.86
Dynamic viscosity at 20°C	2.51 cP
Kinematic viscosity at 20°C	1.49mm ² /s
Kinematic viscosity at 40°C	Non-applicable
Concentration	Non-applicable

BIG BOY PLASTIC FLEXIBLE FILLER BIG31

pH	Non-applicable
Vapour density at 20°C	Non-applicable
Partition coefficient n-octanol/water at 20°C	Non-applicable
Solubility in water at 20°C	Non-applicable
Solubility properties	Non-applicable
Decomposition temperature	Non-applicable
Melting point/freezing point	Non-applicable
Flammability	
Flash point	37°C
Flammability (solid, gas)	Non-applicable
Autoignition temperature	345°C
Lower flammability limit	Not available
Upper flammability limit	Not available
Particle characteristics	
Median equivalent diameter	Non-applicable

9.2. Other information

Information with regard to physical hazard classes

Explosive properties:	Non-applicable
Oxidising properties:	Non-applicable
Corrosive to metals:	Non-applicable
Heat of combustion:	Non-applicable
Aerosols-total percentage (by mass) of flammable components:	Non-applicable

Other safety characteristics

Surface tension at 20°C	Non-applicable
Refraction index	Non-applicable

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See Section 7.

10.2. Chemical stability

Chemically stable under the conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to avoid

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5. Incompatible materials

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6. Hazardous decomposition products

Contains substances highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are extremely shock- and heat-sensitive.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A - Ingestion (acute effect):
- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see Section 3.
 - Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- B - Inhalation (acute effect):
- Acute toxicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see Section 3.
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see Section 3.

BIG BOY PLASTIC FLEXIBLE FILLER BIG31

- C - Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Produces skin inflammation.
 - Contact with the eyes: Produces eye damage after contact.
- D - CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see Section 3.
 IARC: styrene (2A); Talc (3); Hydrocarbons, C10, aromatics, < 1% naphthalene (3); Solvent naphtha (petroleum), light arom., < 0.1 % EC 200-753-7 (3); 2,6-di-tert-butyl-p-cresol (3); Carbon black (2B); Titanium dioxide (aerodynamic diameter ≤ 10 µm) (2B); Quartz (1 % < RCS < 10%) (1); styrene (2A)
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see Section 3.
 - Reproductive toxicity: Suspected of damaging the unborn child.
- E - Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see Section 3.
 - Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see Section 3.
- F - Specific target organ toxicity (STOT) - single exposure:
 Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see Section 3.
- G - Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Serious health effects in the case of prolonged consumption, including death, serious functional disorders or morphological changes of toxicological importance.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see Section 3.
- H - Aspiration hazard
 Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see Section 3.

Other information

CAS 13463-67-7 Titanium dioxide (aerodynamic diameter ≤ 10 µm): The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1% or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm

Specific toxicology information on the substances

Identification	Acute toxicity		Genus
styrene CAS: 100-42-5 EC: 202-851-5	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	12 mg/L (4 h)	Rat
Titanium dioxide (aerodynamic diameter ≤ 10 µm) CAS: 13463-67-7 EC: 236-675-5	LD50 oral	10000 mg/kg	Rat
	LD50 dermal	10000 mg/kg	Rabbit
	LC50 inhalation	>5 mg/L	
Barium Sulfate CAS: 7727-43-7 EC: 231-784-4	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>5 mg/L	
Quartz (1 % < RCS < 10%) CAS: 14808-60-7 EC: 238-878-4	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>5 mg/L	

11.2. Information on other hazards

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

BIG BOY PLASTIC FLEXIBLE FILLER BIG31

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1. Toxicity

Acute toxicity

Identification	Concentration		Species	Genus
Barium Sulfate CAS: 7727-43-7 EC: 231-784-4	LC50	76000 mg/L (96 h)	Salmo gairdneri	Fish
	EC50	Non-applicable		
	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Barium Sulfate CAS: 7727-43-7 EC: 231-784-4	NOEC	100 mg/L	Danio rerio	Fish
	NOEC	Non-applicable		

12.2. Persistence and degradability

Not available.

12.3. Bioaccumulative potential

Not available

12.4. Mobility in soil

Identification	Absorption/desorption		Volatility	
styrene CAS: 100-42-5 EC: 202-851-5	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	3.21E-2 N/m (25 °C)	Moist soil	Non-applicable

12.5. Results of PBT and vPvB assessment

Product fails to meet PBT/vPvB criteria

12.6. Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7. Other adverse effects

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 01 11* 15 01 10*	waste paint and varnish containing organic solvents or other hazardous substances packaging containing residues of or contaminated by hazardous substances	Dangerous

Type of waste (Regulation (EU) No 1357/2014)

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP10 Toxic for reproduction, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land
With regard to ADR 2021 and RID 2021

14.1. UN number or ID number

UN3269

14.2. UN proper shipping name

Polyester resin kit, liquid base material

14.3. Transport hazard class(es)

3

Labels: 3

14.4. Packing group

- CONTINUED ON NEXT PAGE -

BIG BOY PLASTIC FLEXIBLE FILLER BIG31

III

14.5. Environmental hazards

No

14.6. Special precautions for user

Special regulations	236, 340
Tunnel restriction code	E
Physico-chemical properties	See Section 9
Limited quantities	5L

14.7. Maritime transport in bulk according to IMO instruments

Non-applicable

**Transport of dangerous goods by sea
With regards to IMDG 39-18**

14.1. UN number or ID number

UN3269

14.2. UN proper shipping name

Polyester resin kit, liquid base material

14.3. Transport hazard class(es)

3
Labels: 3

14.4. Packing group

III

14.5. Marine pollutant

No

14.6. Special precautions for user

Special regulations	340, 236
EmS Codes	F-E, S-D
Physic-Chemical properties	See Section 9
Limited quantities	5L
Segregation group	Non-applicable

14.7. Maritime transport in bulk according to IMO instruments

Non-applicable

**Transport of dangerous goods by air
With regard to IATA/ICAO 2021**

14.1. UN number or ID number

UN3269

14.2. UN proper shipping name

Polyester resin kit, liquid base material

14.3. Transport hazard class(es)

3
Labels: 3

14.4. Packing group

III

14.5. Environmental hazards

No

14.6. Special precautions for user

Physico-Chemical properties: See Section 9

14.7. Maritime transport in bulk according to IMO instruments

Non-applicable.

BIG BOY PLASTIC FLEXIBLE FILLER BIG31

SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ...):

Shall not be used in:

—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,

—tricks and jokes,

—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Occupational exposure to respirable crystalline silica must be controlled pursuant to Directive (EU) 2019/130.

Specific provisions in terms of protecting people or the environment

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation

The product could be affected by sectorial legislation.

15.2. Chemical safety assessment

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMMISSION REGULATION (EU) 2020/878

Information on basic physical and chemical properties (SECTION 9):

- Flash Point

Texts of the legislative phrases mentioned in Section 2

H315: Causes skin irritation.

H372: Causes damage to organs through prolonged or repeated exposure.

H361d: Suspected of damaging the unborn child.

H226: Flammable liquid and vapour.

H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in Section 3

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in Section 3

CLP Regulation (EC) No 1272/2008

Acute Tox. 4: H332 - Harmful if inhaled.

Carc. 2: H351 - Suspected of causing cancer (Inhalation).

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Repr. 2: H361d - Suspected of damaging the unborn child.

Skin Irrit. 2: H315 - Causes skin irritation.

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Inhalation).

Classification procedure

Skin Irrit. 2: Calculation method

STOT RE 1: Calculation method

Repr. 2: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

Eye Irrit. 2: Calculation method

Advice related to training

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

BIG BOY PLASTIC FLEXIBLE FILLER BIG31

Principal bibliographical sources

<http://echa.europa.eu> <http://eur-lex.europa.eu>

Abbreviations and acronyms

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

Disclaimer

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.