



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: REACH Regulation (EC) No 1907/2006, as retained in UK law by (SI 2019/758 as amended)

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name BOSTIK FLEXACRYL GREY

Pure substance/mixture Mixture

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

Recommended use Primers, Sealers, and Undercoaters

Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik Limited
Common Rd
ST16 3EH
Stafford UK
Tel: +44 (1785) 27 26 25
Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)
NHS: 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

Flammable liquids	Category 3 - (H226)
Skin sensitisation	Category 1 - (H317)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Category 3 Target organ effects: Narcotic effects.	

2.2. Label elements

Contains 1-methoxy-2-propanol; 2-methoxy-1-methylethyl acetate; Maleic anhydride



SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

Signal word

Warning

Hazard statements

H317 - May cause an allergic skin reaction.

H336 - May cause drowsiness or dizziness.

H226 - Flammable liquid and vapour.

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

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

P261 - Avoid breathing vapours

P280 - Wear protective gloves and eye/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P403 + P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

Special provisions concerning the labelling of certain mixtures

Do not allow product/residues (including cleaning residues) to enter drains, waterways or soil and dispose of according to regulations. Follow the instructions of use and disposal to prevent releases of product to the environment.

2.3. Other hazards

No information available.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
2-methoxy-1-methyl ethyl acetate 108-65-6	>25 - <40	01-2119475791-29-xxxx	203-603-9 (607-195-00-7)	Flam. Liq. 3 (H226) STOT SE 3 (H336)	-	-	-	-
1-methoxy-2-propanol 107-98-2	5 - <10	01-2119457435-35-xxxx	203-539-1 (603-064-00-3)	Flam. Liq. 3 (H226) STOT SE 3 (H336)	-	-	-	-
Chlorinated paraffin waxes and hydrocarbon waxes 63449-39-8	5 - <10	01-2119494016-38-XXXX	264-150-0	No data available	-	-	-	-
Titanium dioxide 13463-67-7	5 - <10	01-2119489379-17-XXXX	236-675-5 (022-006-00-2)	[C]	-	-	-	V,W,10
Acetone 67-64-1	0.1- <1	#	200-662-2 (606-001-00-8)	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	-	-	-	-

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

Xylenes (o-, m-, p-isomers) 1330-20-7	0.1 - <0.5	01-2119488216 -32-XXXX	215-535-7 (601-022-00-9)	Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) STOT RE 2 (H373) Asp. Tox. 1 (H304) Aquatic Chronic 3 (H412) Flam. Liq. 3 (H226)	-	-	-	C
2-Methoxypropyl-1-acetate 70657-70-4	0.1 - <0.3	#	274-724-2 (607-251-00-0)	Flam. Liq. 3 (H226) STOT SE 3 (H335) Repr. 1B (H360D)	-	-	-	-
Maleic anhydride 108-31-6	0.01 < 0.036	01-2119472428 -31-XXXX	203-571-6 (607-096-00-9)	Acute Tox. 4 (H302) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Resp. Sens. 1 (H334) Skin Sens. 1A (H317) STOT RE 1 (H372) (EUH071)	Skin Sens. 1A :: C>=0.001%	-	-	-

The substance does not require registration according to REACH

#: Exempt, Hazardous impurities

Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes

[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note V - If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.

Note W - It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

Note 10 - 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.

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	EC No. (Index No.)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
2-methoxy-1-methylethyl acetate	203-603-9 (607-195-00-7)	108-65-6	-	-	-	-	-
1-methoxy-2-propanol	203-539-1 (603-064-00-3)	107-98-2	-	-	-	-	-
Chlorinated paraffin waxes and hydrocarbon waxes	264-150-0	63449-39-8	-	-	-	-	-
Titanium dioxide	236-675-5 (022-006-00-2)	13463-67-7	-	-	-	-	-

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

Chemical name	EC No. (Index No.)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Acetone	200-662-2 (606-001-00-8)	67-64-1	-	-	-	-	-
Xylenes (o-, m-, p-isomers)	215-535-7 (601-022-00-9)	1330-20-7	2500	1990	4.8	-	-
2-Methoxypropyl-1-acetate	274-724-2 (607-251-00-0)	70657-70-4	-	-	-	-	-
Maleic anhydride	203-571-6 (607-096-00-9)	108-31-6	1090	-	-	-	-

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.

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

Symptoms	Itching. Rashes. Hives. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Effects of Exposure	No information available.

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

Note to doctors	May cause sensitisation in susceptible persons. Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
Unsuitable extinguishing media	No information available.

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitiser. May cause sensitisation by skin contact.

Hazardous combustion products Carbon oxides. Carbon dioxide (CO₂). Hydrogen chloride. Silicon dioxide.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

Prevention of secondary hazards Collect water from cleaning tools and reuse it or dispose it in local sewage systems. Do not spill water or dispose cleaning water into the environment.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

7.3. Specific end use(s)

Specific use(s)
Primers, Sealers, and Undercoaters.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product

Chemical name	European Union	United Kingdom
2-methoxy-1-methylethyl acetate 108-65-6	TWA: 50 ppm; TWA: 275 mg/m ³ ; STEL: 100 ppm; STEL: 550 mg/m ³ ; pSk	TWA: 50 ppm; TWA: 274 mg/m ³ ; STEL: 100 ppm; STEL: 548 mg/m ³ ; pSk
1-methoxy-2-propanol 107-98-2	TWA: 100 ppm; TWA: 375 mg/m ³ ; STEL: 150 ppm; STEL: 568 mg/m ³ ; pSk	TWA: 100 ppm; TWA: 375 mg/m ³ ; STEL: 150 ppm; STEL: 560 mg/m ³ ; pSk
Titanium dioxide 13463-67-7	-	TWA: 10 mg/m ³ ; total inhalable TWA: 4 mg/m ³ ; respirable STEL: 30 mg/m ³ ; total inhalable STEL: 12 mg/m ³ ; respirable
Talc 14807-96-6	-	TWA: 1 mg/m ³ ; respirable dust STEL: 3 mg/m ³ ; respirable dust
Synthetic Amorphous, Pyrogenic Silica 112945-52-5	-	TWA: 6 mg/m ³ ; inhalable dust TWA: 2.4 mg/m ³ ; respirable dust STEL: 18 mg/m ³ ; inhalable dust STEL: 7.2 mg/m ³ ; respirable dust
Silica, amorphous 7631-86-9	-	TWA: 6 mg/m ³ ; inhalable dust TWA: 2.4 mg/m ³ ; respirable dust STEL: 18 mg/m ³ ; inhalable dust STEL: 7.2 mg/m ³ ; respirable dust
Acetone 67-64-1	TWA: 500 ppm; TWA: 1210 mg/m ³ ;	TWA: 500 ppm; TWA: 1210 mg/m ³ ; STEL: 1500 ppm; STEL: 3620 mg/m ³ ;
Xylenes (o-, m-, p- isomers)	TWA: 50 ppm;	TWA: 50 ppm;

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

1330-20-7	TWA: 221 mg/m ³ ; STEL: 100 ppm; STEL: 442 mg/m ³ ; pSk	TWA: 220 mg/m ³ ; STEL: 100 ppm; STEL: 441 mg/m ³ ; pSk
Carbon black 1333-86-4	-	TWA: 3.5 mg/m ³ ; STEL: 7 mg/m ³ ;
Magnesite 13717-00-5	-	TWA: 10 mg/m ³ ; inhalable dust TWA: 4 mg/m ³ ; respirable dust STEL: 30 mg/m ³ ; inhalable dust STEL: 12 mg/m ³ ; respirable dust
Maleic anhydride 108-31-6	-	TWA: 1 mg/m ³ ; STEL: 3 mg/m ³ ; poS

Chemical name	European Union	Ireland	United Kingdom
Acetone 67-64-1	-	50 mg/L (urine - Acetone end of shift)	-
Xylenes (o-, m-, p- isomers) 1330-20-7	-	1.5 g/g Creatinine (urine - Methylhippuric acids end of shift)	650 mmol/mol creatinine - urine (Methyl hippuric acid) - post shift

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)			
2-methoxy-1-methylethyl acetate (108-65-6)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	275 mg/m ³	
worker Long term Systemic health effects	Dermal	796 mg/kg bw/d	

1-methoxy-2-propanol (107-98-2)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Short term Systemic health effects	Inhalation	553.5 mg/m ³	
worker Short term Local health effects	Inhalation	553.5 mg/m ³	
worker Long term Systemic health effects	Dermal	183 mg/kg bw/d	
worker Long term Systemic health effects	Inhalation	369 mg/m ³	

Titanium dioxide (13463-67-7)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Local health effects	Inhalation	10 mg/m ³	

Xylenes (o-, m-, p- isomers) (1330-20-7)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects worker	Dermal	180 mg/kg bw/d	

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

Long term Systemic health effects worker	Inhalation	77 mg/m ³	
Short term Local health effects Systemic health effects worker	Inhalation	289 mg/m ³	

2-Methoxypropyl-1-acetate (70657-70-4)

Maleic anhydride (108-31-6)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	0.4 mg/m ³	
worker Short term Systemic health effects	Inhalation	0.8 mg/m ³	
worker Long term Local health effects	Inhalation	0.4 mg/m ³	
worker Short term Local health effects	Inhalation	0.8 mg/m ³	

Derived No Effect Level (DNEL)

2-methoxy-1-methylethyl acetate (108-65-6)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	33 mg/m ³	
Consumer Long term Local health effects	Inhalation	33 mg/m ³	
Consumer Long term Systemic health effects	Dermal	320 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	36 mg/kg bw/d	

1-methoxy-2-propanol (107-98-2)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Dermal	78 mg/kg bw/d	
Consumer Long term Systemic health effects	Inhalation	43.9 mg/m ³	
Consumer Long term Systemic health effects	Oral	33 mg/kg bw/d	

Titanium dioxide (13463-67-7)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer	Oral	700 mg/kg bw/d	

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

Long term Systemic health effects			
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Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	
2-methoxy-1-methylethyl acetate (108-65-6)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.635 mg/l
Marine water	0.064 mg/l
Sewage treatment plant	100 mg/l
Freshwater sediment	3.29 mg/l
Marine sediment	0.329 mg/kg dry weight
Soil	0.29 mg/kg dry weight

1-methoxy-2-propanol (107-98-2)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	10 mg/l
Marine water	1 mg/l
Sewage treatment plant	100 mg/l
Freshwater sediment	52.3 mg/kg dry weight
Marine sediment	5.2 mg/kg dry weight
Soil	4.59 mg/kg dry weight

Titanium dioxide (13463-67-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Marine water	0.0184 mg/l
Freshwater sediment	1000 mg/kg
Freshwater	0.184 mg/l
Marine sediment	100 mg/kg
Soil	100 mg/kg
Microorganisms in sewage treatment	100 mg/l
Freshwater - intermittent	0.193 mg/l

Maleic anhydride (108-31-6)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.1 mg/l
Marine water	0.01 mg/l
Microorganisms in sewage treatment	44.6 mg/l
Freshwater sediment	0.334 mg/kg dry weight
Marine water	0.033 mg/kg dry weight
Soil	0.042 mg/kg dry weight

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.

Personal protective equipment

Eye/face protection

Hand protection

Tight sealing safety goggles. Eye protection must conform to standard EN 166.
Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Skin and body protection

Wear suitable protective clothing.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Colour	Grey
Odour	Characteristic.

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	120 °C	
Flammability	No data available	Flammable liquid
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	> 32 °C	No information available
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known.
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	
Water solubility	No data available.	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	<110 kPa	None known
Relative density	No data available	None known
Bulk density	No data available	
Density	1.0	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

Solid content (%)	No information available
VOC content	approx 525 g/L

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No information available.
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10.2. Chemical stability

Stability	Stable under normal conditions.
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Explosion data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	Yes.

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation	May cause drowsiness or dizziness.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).
Ingestion	Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Acute toxicity

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	62,656.40 mg/kg
ATEmix (dermal)	>2000 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	>5 mg/L
ATEmix (inhalation-vapour)	>20 mg/L

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-methoxy-1-methylethyl acetate	=8532 mg/kg (Rattus)	> 5 g/kg (Oryctolagus cuniculus)	= 16000 mg/m ³ (Rat) 6 h
1-methoxy-2-propanol	>3500 mg/Kg (Rattus)	>2000 mg/Kg (Rattus)	>7559 ppm (Rattus) 6 h
Chlorinated paraffin waxes and hydrocarbon waxes	=26100 mg/kg (Rattus) > 21500 ?L/kg (Rattus)	> 10 mL/kg (Oryctolagus cuniculus)	-

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 5000 mg/Kg	= 5.09 mg/L (Rattus) 4 h
Acetone	=5800 mg/kg (Rattus)	> 15700 mg/kg (Oryctolagus cuniculus)	=50100 mg/m ³ (Rattus) 8 h
Xylenes (o-, m-, p- isomers)	=3500 mg/kg (Rattus)	> 1700 mg/kg (Oryctolagus cuniculus) > 4350 mg/kg (Oryctolagus cuniculus)	= 11 mg/L (ATE)
Maleic anhydride	LD50 = 1090 mg/kg (Rattus) OECD 401	= 2620 mg/kg (Oryctolagus cuniculus)	>4.35 mg/L (Rattus) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Titanium dioxide (13463-67-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal			Non-irritant

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Titanium dioxide (13463-67-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	Eye			Non-irritant

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Chemical name	European Union
Xylenes (o-, m-, p- isomers)	Muta. 1B

Carcinogenicity Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Titanium dioxide	Carc. 2
Xylenes (o-, m-, p- isomers)	Carc. 1B

Reproductive toxicity Based on available data, the classification criteria are not met.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
2-Methoxypropyl-1-acetate	Repr. 1B

STOT - single exposure May cause drowsiness or dizziness.

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Based on available data, the classification criteria are not met.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
2-methoxy-1-methylethyl acetate 108-65-6	-	LC50: =161mg/L (96h, Pimephales promelas)	-	EC50: >500mg/L (48h, Daphnia magna)		
1-methoxy-2-propanol 107-98-2	-	LC50: 4600 - 10000mg/L (96h, Leuciscus idus) LC50: =20.8g/L (96h, Pimephales promelas)	-	EC50: =23300mg/L (48h, Daphnia magna)		
Chlorinated paraffin waxes and hydrocarbon waxes 63449-39-8	-	LC50 (96h) >300 mg/L (Oncorhynchus mykiss) Static	-	EC50: =102mg/L (24h, Daphnia magna)		
Titanium dioxide 13463-67-7	LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203	-	-	-		
Acetone 67-64-1	-	LC50: 4.74 - 6.33mL/L (96h, Oncorhynchus mykiss) LC50: =8300mg/L (96h, Lepomis macrochirus) LC50: 6210 - 8120mg/L (96h, Pimephales promelas)	-	EC50: 10294 - 17704mg/L (48h, Daphnia magna) EC50: 12600 - 12700mg/L (48h, Daphnia magna)		
Xylenes (o-, m-, p-isomers) 1330-20-7	EC50: =11mg/L (72h, Pseudokirchneri)	LC50 96 h 2.6 mg/L (Oncorhynchus)	EC50 = 0.0084 mg/L 24 h	EC50 48 h = 3.4 mg/L (Daphnia magna)		

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

	ella subcapitata)	mykiss) (OECD 203)				
Maleic anhydride 108-31-6	EC50: =29mg/L (72h, Desmodesmus subspicatus)	LC50 (96h) = 75 mg/L (Oncorhynchus mykiss)	-	EC50: =84mg/L (24h, Daphnia magna)		

12.2. Persistence and degradability

Persistence and degradability No information available.

2-methoxy-1-methylethyl acetate (108-65-6)			
Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	83%	Readily biodegradable

Xylenes (o-, m-, p- isomers) (1330-20-7)			
Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	biodegradation	87.8 % Readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
2-methoxy-1-methylethyl acetate	1.2
1-methoxy-2-propanol	1
Chlorinated paraffin waxes and hydrocarbon waxes	10.2
Acetone	-0.24
Xylenes (o-, m-, p- isomers)	3.15
Maleic anhydride	-2.61

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on available data, the classification criteria are not met.

Chemical name	PBT and vPvB assessment
2-methoxy-1-methylethyl acetate	Not PBT/vPvB
1-methoxy-2-propanol	Not PBT/vPvB
Chlorinated paraffin waxes and hydrocarbon waxes	Not PBT/vPvB
Titanium dioxide	Not PBT/vPvB
Acetone	Not PBT/vPvB
Xylenes (o-, m-, p- isomers)	Not PBT/vPvB
Maleic anhydride	Not PBT/vPvB

12.6. Endocrine disrupting properties Endocrine disrupting properties

Endocrine disruption for the environment Based on available data, the classification criteria are not met.

12.7. Other adverse effects Other adverse effects

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

Other adverse effects No information available.
PMT or vPvM properties Based on available data, the classification criteria are not met.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Other information Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Note: The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition). The information shown here, may not always agree with the bill of lading shipping description for the material.

Land transport (ADR/RID)

14.1 UN number or ID number UN1263
14.2 UN proper shipping name Paint related material
14.3 Transport hazard class(es) 3
Labels 3
14.4 Packing group III
Description UN1263, Paint related material, 3, III, (D/E)
14.5 Environmental hazards No
14.6 Special precautions for user
Special Provisions 163, 650, 367
Classification code F1
Tunnel restriction code (D/E)
Limited quantity (LQ) 5 L
ADR Hazard Id (Kemmler Number) 30

IMDG

14.1 UN number or ID number UN1263
14.2 UN proper shipping name Paint related material
14.3 Transport hazard class(es) 3
14.4 Packing group III
Description UN1263, Paint related material, 3, III, (32°C c.c.)
14.5 Marine pollutant NP
14.6 Special precautions for user
Special Provisions 163, 223, 367, 955
Limited Quantity (LQ) 5 L
EmS-No. F-E, S-E
14.7 Maritime transport in bulk according to IMO instruments
Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number UN1263
14.2 UN proper shipping name Paint related material
14.3 Transport hazard class(es) 3
14.4 Packing group III

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

Description UN1263, Paint related material, 3, III
14.5 Environmental hazards No
14.6 Special precautions for user
Special Provisions A3, A72, A192
Limited quantity (LQ) 10 L
ERG Code 3L

SECTION 15: Regulatory information

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59) $\geq 0.1\%$

Chemical name	CAS No.
Chlorinated paraffin waxes and hydrocarbon waxes	63449-39-8

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No.	Restricted substance per REACH Annex XVII
Synthetic polymer microparticles (SPM)	--	78
2-Methoxypropyl-1-acetate	70657-70-4	30 75

78. This product contains one or more synthetic polymer microparticles as defined by entry 78 of Annex XVII to Regulation (EC) No. 1907/2006. According to Restriction conditions, this product may benefit from the derogation according to Paragraph 4(a) or 5 of the Restriction and therefore can be placed on the market.

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Export Notification requirements

This product does not contain substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals above the level that triggers a labeling obligation under Regulation (EC) No 1272/2008. Therefore this product is not subject to prior informed consent notification.

Ozone-depleting substances (ODS) regulation (EC) 2024/590

Not applicable

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

Persistent Organic Pollutants
Not applicable

REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors
Not applicable

Regulations on drug precursors (EC) No 111/2005 (export) and 273/2004 (internal trade)
This product does not contain any substance(s) which are regulated pursuant to the EU regulations on drug precursors [(EC) No. 111/2005 and (EC) No. 273/2004] above levels that can be easily used or extracted by readily applicable or economically viable means.

National regulations

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of any hazard and/or precautionary statements referred to under Sections 2-15

EUH066 - Repeated exposure may cause skin dryness or cracking
EUH071 - Corrosive to the respiratory tract
H225 - Highly flammable liquid and vapour
H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H360D - May damage the unborn child
H372 - Causes damage to organs through prolonged or repeated exposure
H373 - May cause damage to organs through prolonged or repeated exposure
H412 - Harmful to aquatic life with long lasting effects

Notes relating to the identification, classification and labelling of substances

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers
Note V - If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied
Note W - It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation

Notes relating to the classification and labelling of mixtures

Note 10 - 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

Legend

TWA TWA (time-weighted average)

SAFETY DATA SHEET

BOSTIK FLEXACRYL GREY
Supersedes date 03-Jan-2025

Revision date 21-Nov-2025
Revision Number 3.02

STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
Sk*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
RID	Regulations concerning the International Transport of Dangerous Goods by Rail

Key literature references and sources for data

No information available

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Indication of changes

Revision Note SDS sections updated, 2, 3.
Training Advice No information available
Further information No information available

This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

End of Safety Data Sheet