



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

BOSTIK FLEXACRYL GREY
Supersedes date 21-Nov-2025

Revision date 23-Apr-2026
Revision Number 2

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

1.1. Product identifier

Product Name BOSTIK FLEXACRYL GREY
Form This substance/ mixture contains nanoforms

Other means of identification

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 | Supplier |
|---|--|
| Bostik SA 51 Esplanade du Général de Gaulle 92800 Puteaux – La Défense FRANCE Tel: +33 (0)1 49 00 90 00 | Bostik Industries Limited IDA Business & Technology Park Ballynattin, Arklow, Co. Wicklow Ireland Y14 A370 Tel : +353 (0)402 32370 |

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

1.4. Emergency telephone number

| | |
|-----------------------|---|
| Ireland | NPIC - National Poison Information Centre Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week) Healthcare Professionals: +353 (01) 8092566 (24 hour service) |
| United Kingdom | Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri) |
| Europe | 112 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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

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Signal word
Warning

Hazard statements

H226 - Flammable liquid and vapour.
H317 - May cause an allergic skin reaction.
H336 - May cause drowsiness or dizziness.

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 mist/vapours/spray
P280 - Wear protective gloves and eye/face protection
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
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. Do not allow product/residues (including cleaning residues) to enter drains, waterways or soil and dispose of according to regulations.

2.3. Other hazards

No information available.

PBT & vPvB

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

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-propan | 5 - <10 | 01-2119457435 | 203-539-1 | Flam. Liq. 3 (H226) | - | - | - | - |

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| | | | | | | | | |
|--|-----------------|---------------------------|-----------------------------|---|----------------------------------|---|---|---|
| ol 107-98-2 | | -35-xxxx | (603-064-00-3) | STOT SE 3 (H336) | | | | |
| Titanium dioxide 13463-67-7 | 5 - <10 | 01-2119489379 -17-XXXX | 236-675-5 | [C] | - | - | - | - |
| 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) | - | - | - | - |
| 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-a cetate 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.

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 (ATE_{mix}) 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 | - | - | - | - | - |
| Titanium dioxide | 236-675-5 | 13463-67-7 | - | - | - | - | - |
| 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 | - | - | - |
| 2-Methoxypropyl-1-acet | 274-724-2 | 70657-70-4 | - | - | - | - | - |

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| 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 |
|------------------|-----------------------------|----------|-----------------|-------------------|---|--|--------------------------------------|
| ate | (607-251-00-0) | | | | | | |
| 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. |
|------------------------|--|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---------------------------------------|---|
| Suitable Extinguishing Media | Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol resistant foam. |
| Unsuitable extinguishing media | No information available. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|--|
| Specific hazards arising from the | Risk of ignition. Keep product and empty container away from heat and sources of |
|--|--|

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chemical 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 protective 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 protective 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 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

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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 | Ireland | 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: 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: 568 mg/m ³ ; | 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 dust TWA: 4 mg/m ³ ; respirable dust STEL: 30 mg/m ³ (calculated); respirable dust STEL: 12 mg/m ³ (calculated); | 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: 10 mg/m ³ ; total inhalable dust TWA: 0.8 mg/m ³ ; respirable dust STEL: 30 mg/m ³ (calculated); total inhalable dust STEL: 2.4 mg/m ³ (calculated); respirable dust | 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 ; total inhalable dust TWA: 2.4 mg/m ³ ; respirable dust | TWA: 6 mg/m ³ ; inhalable dust TWA: 2.4 mg/m ³ ; respirable dust |

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|---|--|--|---|
| | | STEL: 18 mg/m ³ (calculated); respirable dust STEL: 7.2 mg/m ³ (calculated); 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 ; total inhalable dust TWA: 2.4 mg/m ³ ; respirable dust STEL: 18 mg/m ³ (calculated); respirable dust STEL: 7.2 mg/m ³ (calculated); respirable dust | 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 (calculated); STEL: 3630 mg/m ³ (calculated); | TWA: 500 ppm; TWA: 1210 mg/m ³ ; STEL: 1500 ppm; STEL: 3620 mg/m ³ ; |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | TWA: 50 ppm; TWA: 221 mg/m ³ ; STEL: 100 ppm; STEL: 442 mg/m ³ ; pSk | TWA: 50 ppm; TWA: 221 mg/m ³ ; STEL: 100 ppm; STEL: 442 mg/m ³ ; pSk | TWA: 50 ppm; TWA: 220 mg/m ³ ; STEL: 100 ppm; STEL: 441 mg/m ³ ; pSk |
| Carbon black 1333-86-4 | - | TWA: 3 mg/m ³ ; inhalable fraction STEL: 15 mg/m ³ (calculated); inhalable fraction | 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: 0.01 ppm; inhalable fraction and vapour STEL: 0.03 ppm (calculated); inhalable fraction and vapour | TWA: 1 mg/m ³ ; STEL: 3 mg/m ³ ; poS |

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 | Inhalation | 553.5 mg/m ³ | |

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| Short term Local health effects | | | |
| 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 | |
| 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 | Dermal | 320 mg/kg bw/d | |

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|-------------------------|------|---------------|--|
| Systemic health effects | | | |
| Consumer | Oral | 36 mg/kg bw/d | |
| Long term | | | |
| Systemic health effects | | | |

| 1-methoxy-2-propanol (107-98-2) | | | |
|--|----------------|--------------------------------|---------------|
| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer | Dermal | 78 mg/kg bw/d | |
| Long term | | | |
| Systemic health effects | | | |
| Consumer | Inhalation | 43.9 mg/m ³ | |
| Long term | | | |
| Systemic health effects | | | |
| Consumer | Oral | 33 mg/kg bw/d | |
| Long term | | | |
| Systemic health effects | | | |

| Titanium dioxide (13463-67-7) | | | |
|--------------------------------------|----------------|--------------------------------|---------------|
| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer | Oral | 700 mg/kg bw/d | |
| Long term | | | |
| Systemic health effects | | | |

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 |

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|------------------------------------|------------------------|
| 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

9.1. Information on basic physical and chemical properties

| | |
|----------------|-----------------|
| Physical state | Liquid |
| Appearance | Liquid |
| Colour | Grey |
| Odour | Characteristic. |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---|--------------------------|--------------------------|
| Melting point / freezing point | No data available | None known |
| Initial boiling point and boiling range | 120 °C | |
| Flammability | No data available | None known |
| 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 | None known |
| 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 |

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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.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

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.

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Acute toxicity

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

| | |
|-------------------------------|------------------|
| ATEmix (oral) | 176,713.80 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 |
| Titanium dioxide | > 5000 mg/kg (Rattus) OECD 425 | 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.

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| Component Information | | |
|-------------------------------|---------|------------------|
| Titanium dioxide (13463-67-7) | | |
| Method | Species | Results |
| Oral | Rat | Not Carcinogenic |

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.

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) | | |
| Titanium dioxide 13463-67-7 | LC50 (96h) >10000 mg/l (Cyprinodon variegatus) | - | - | - | | |

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| | 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, Pseudokirchneriella subcapitata) | LC50 96 h 2.6 mg/L (Oncorhynchus mykiss) (OECD 203) | EC50 = 0.0084 mg/L 24 h | EC50 48 h = 3.4 mg/L (Daphnia magna) | | |
| 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 |
| 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 |

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| | |
|------------------------------|--------------|
| 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

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
14.3 Transport hazard class(es) 3
Labels 3
14.4 Packing group III
Description UN1263, Paint, 3, III, (E)
14.5 Environmental hazards No
14.6 Special precautions for user
Special Provisions 163, 367, 650
Classification code F1
Tunnel restriction code (E)
Limited quantity (LQ) 5 L

IMDG

14.1 UN number or ID number UN1263
14.2 UN proper shipping name Paint
14.3 Transport hazard class(es) 3
14.4 Packing group I
Description UN1263, Paint, 3, I, (32°C c.c.)
14.5 Marine pollutant NP
14.6 Special precautions for user
Special Provisions 163, 367

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Limited Quantity (LQ) 500 mL
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
14.3 Transport hazard class(es) 3
14.4 Packing group I
Description UN1263, Paint, 3, I
14.5 Environmental hazards No
14.6 Special precautions for user
Special Provisions A3, A72, A192
Limited quantity (LQ) Forbidden
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 does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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

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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

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

SVHC: Substances of Very High Concern for Authorisation:

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PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT RE: Specific target organ toxicity - Repeated exposure
STOT SE: Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue
LOW: List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA: International Air Transport Association
ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG: International Maritime Dangerous Goods
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

Legend SECTION 8: Exposure controls/personal protection

| | | | |
|---------|-----------------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| AGW | Occupational exposure limit value | BGW | Biological limit value |
| Ceiling | Maximum limit value | SK* | Skin designation |

| Classification procedure | |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used |
| Acute oral toxicity | Calculation method |
| Acute dermal toxicity | Calculation method |
| Acute inhalation toxicity - gas | Calculation method |
| Acute inhalation toxicity - vapour | Calculation method |
| Acute inhalation toxicity - dust/mist | Calculation method |
| Skin corrosion/irritation | Calculation method |
| Serious eye damage/eye irritation | Calculation method |
| Respiratory sensitisation | Calculation method |
| Skin sensitisation | Calculation method |
| Mutagenicity | Calculation method |
| Carcinogenicity | Calculation method |
| Reproductive toxicity | Calculation method |
| STOT - single exposure | Calculation method |
| STOT - repeated exposure | Calculation method |
| Chronic aquatic toxicity | Calculation method |
| Acute aquatic toxicity | Calculation method |
| Aspiration hazard | Calculation method |
| Ozone | Calculation method |

Key literature references and sources for data used to compile the SDS

European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGl(s))
International Uniform Chemical Information Database (IUCLID)
Japan National Institute of Technology and Evaluation (NITE)
NIOSH (National Institute for Occupational Safety and Health)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set

| | |
|----------------------------|-------------------------------------|
| Prepared By | Product Safety & Regulatory Affairs |
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Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and Regulation (EC) No. 1272/2008

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