

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: 6090 B9 Multi-Azure

Creation date: 19.01.2023, Revision: 26.02.2025, Version: 7.1

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

1.1 Product identifier

Product name

6090 B9 Multi-Azure

UFI:

6RFQ-AGKH-RN5K-07PF



<https://my.chemius.net/p/RMVji/en/pd/en>

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

Relevant identified uses

No information.

Uses advised against

No information.

1.3 Details of the supplier of the safety data sheet

Supplier

SILCO d.o.o.
Sentrupert 5a
3303 Gomilsko, Slovenia
+386 3 703 3180
msds@silco.si

1.4 Emergency Telephone Number

Emergency

111

Supplier

112

Section 2: Hazards identification

2.1 Classification of the substance or mixture

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

Flam. Liq. 3; H226 Flammable liquid and vapour.
Skin Irrit. 2; H315 Causes skin irritation.
Skin Sens. 1; H317 May cause an allergic skin reaction.
Eye Irrit. 2; H319 Causes serious eye irritation.
Repr. 2; H361d Suspected of damaging the unborn child.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

STOT RE 1; H372 Causes damage to organs (hearing organs) through prolonged or repeated exposure.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)



Signal word: DANGER

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs (hearing organs) through prolonged or repeated exposure.

P202 Do not handle until all safety precautions have been read and understood.

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

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P501 Dispose of contents/container in accordance with national regulation.

Contains:

styrene

2.3 Other hazards

PBT/vPvB

No information.

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Additional information

No information.

Section 3: Composition/information on ingredients

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

| Name | CAS EC Index REACH | % | Classification according to Regulation (EC) No 1272/2008 (CLP) | Specific Concentration Limits |
|--|---------------------------------------|--------------|---|------------------------------------|
| Talc (Mg₃ H₂(Si O₃)₄) | 14807-96-6 238-877-9 - | 20-25 | / | / |
| Barium sulfate | 7727-43-7 231-784-4 - | 15-20 | / | / |
| styrene | 100-42-5 202-851-5 601-026-00-0 | 10-15 | Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 Repr. 2; H361d STOT RE 1; H372 (hearing organs) | / |
| calcium carbonate | 1317-65-3 - - | 5-10 | / | / |
| Fumed silica | 112945-52-5 231-545-4 - | 0.1-1 | Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 | / |
| maleic anhydride | 108-31-6 203-571-6 607-096-00-9 | 0.01- 0.1 | Acute Tox. 4; H302 Skin Corr. 1B; H314 Skin Sens. 1A; H317 Eye Dam. 1; H318 Resp. Sens. 1; H334 STOT RE 1; H372 (respiratory system) (inhalation) EUH071 | Skin Sens. 1A; H317; C ≥ 0.001% |
| 1,4- naphtho kinon | 130-15-4 204-977-6 - | <0.01 | Acute Tox. 3; H301 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Acute Tox. 1; H330 STOT SE 3; H335 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 1; H410; M = 10 | / |

Notes for substances

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

- D** Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3.

However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words "non-stabilised".

Section 4: First aid measures

4.1 Description of first aid measures

General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. When it is suspected, that there may still be harmful vapours/fumes present in the air, respiratory protection (mask; self contained breathing apparatus) must be used. Wash contaminated clothing with water before removing or use gloves.

Following inhalation

Remove patient to fresh air - move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing. Seek medical help immediately.

Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. Consult a physician.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Seek medical help.

Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

Following skin contact

Itching, redness, pain. May cause sensitisation by skin contact (itching, redness, rashes).

Following eye contact

Redness, tearing, pain.

Following ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: 6090 B9 Multi-Azure

Creation date: 19.01.2023, Revision: 26.02.2025, Version: 7.1

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

5.3 Advice for firefighters

Protective actions

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training. Prolonged heating can cause an explosion. Vapours can form explosive mixtures with air. Cool containers at risk with water spray. If possible remove containers from endangered area.

Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

Additional information

No information.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

No information.

Precautionary measures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

For emergency responders

Use personal protective equipment.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

6.3 Methods and material for containment and cleaning up

For containment

Stem the spill if this does not pose risks.

For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Use only explosion-proof instruments and equipment. Use spark-proof tools. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water.

Other information

No information.

6.4 Reference to other sections

See also sections 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air.

Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

Other measures

No information.

Advice on general occupational hygiene

Use good personal hygiene practices - wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8. Avoid exposure - obtain special instructions before using.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

Keep in a cool, dry and well ventilated place. Protect from open fire, heat and direct sunlight.
Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances.
Keep away from sources of ignition - no smoking.

Packaging materials

Store only in original container.

Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

Storage temperature

No information.

Storage class

No information.

Further information on storage conditions

No information.

7.3 Specific end use(s)

Recommendations

No information.

Industrial sector specific solutions

No information.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values

| Name | mg/m ³ | ml/m ³ | Short-term value mg/m ³ | Short-term value ml/m ³ | Remark | Biological Tolerance Values |
|--|-------------------|-------------------|---------------------------------------|---------------------------------------|--------|-----------------------------|
| Styrene (100-42-5) | 430 | 100 | 1080 | 250 | / | / |
| Barium sulphate inhalable dust (7727-43-7) | 10 | / | / | / | / | / |
| Barium sulphate respirable dust (7727-43-7) | 4 | / | / | / | / | / |

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

| Name | mg/m ³ | ml/m ³ | Short-term value mg/m ³ | Short-term value ml/m ³ | Remark | Biological Tolerance Values |
|--|-------------------|-------------------|--|--|--------|--------------------------------|
| Calcium carbonate inhalable dust (1317-65-3) | 10 | / | / | / | / | / |
| Calcium carbonate respirable (1317-65-3) | 4 | / | / | / | / | / |
| Limestone respirable (1317-65-3) | 4 | / | / | / | / | / |
| Limestone total inhalable (1317-65-3) | 10 | / | / | / | / | / |
| Maleic anhydride (108-31-6) | 1 | / | 3 | / | Sen | / |
| Marble respirable (1317-65-3) | 4 | / | / | / | / | / |
| Marble total inhalable (1317-65-3) | 10 | / | / | / | / | / |
| Talc, respirable dust (14807-96-6) | 1 | / | / | / | / | / |

Information on monitoring procedures

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product

No information.

For components

| Name | Type | Exposure route | exp. frequency | Remark | Value |
|--|----------|----------------|-----------------------------|--------|-------------------------|
| Talc (Mg₃H₂(SiO₃)₄) | Worker | inhalation | long term systemic effects | / | 2.16 mg/m ³ |
| Talc (Mg₃H₂(SiO₃)₄) | Worker | inhalation | short term systemic effects | / | 2.16 mg/m ³ |
| Talc (Mg₃H₂(SiO₃)₄) | Worker | inhalation | long term local effects | / | 3.6 mg/m ³ |
| Talc (Mg₃H₂(SiO₃)₄) | Worker | inhalation | short term local effects | / | 3.6 mg/m ³ |
| Talc (Mg₃H₂(SiO₃)₄) | Worker | dermal | long term systemic effects | / | 43.2 mg/kg bw/day |
| Talc (Mg₃H₂(SiO₃)₄) | Worker | dermal | long term local effects | / | 4.54 mg/cm ² |
| Talc (Mg₃H₂(SiO₃)₄) | Consumer | inhalation | long term systemic effects | / | 1.08 mg/m ³ |
| Talc (Mg₃H₂(SiO₃)₄) | Consumer | inhalation | short term systemic effects | / | 1.08 mg/m ³ |
| Talc (Mg₃H₂(SiO₃)₄) | Consumer | inhalation | long term local effects | / | 1.8 mg/m ³ |
| Talc (Mg₃H₂(SiO₃)₄) | Consumer | inhalation | short term local effects | / | 1.8 mg/m ³ |
| Talc (Mg₃H₂(SiO₃)₄) | Consumer | dermal | long term systemic effects | / | 21.6 mg/kg bw/day |

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

| Name | Type | Exposure route | exp. frequency | Remark | Value |
|--|----------|----------------|-----------------------------|--------|--------------------------|
| Talc (Mg₃H₂(SiO₃)₄) | Consumer | dermal | long term local effects | / | 2.27 mg/cm ² |
| Talc (Mg₃H₂(SiO₃)₄) | Consumer | oral | long term systemic effects | / | 160 mg/kg bw/day |
| Talc (Mg₃H₂(SiO₃)₄) | Consumer | oral | short term systemic effects | / | 160 mg/kg bw/day |
| styrene | Worker | inhalation | long term systemic effects | / | 85 mg/m ³ |
| styrene | Worker | inhalation | short term systemic effects | / | 289 mg/m ³ |
| styrene | Worker | inhalation | short term local effects | / | 306 mg/m ³ |
| styrene | Worker | dermal | long term systemic effects | / | 406 mg/kg bw/day |
| styrene | Consumer | inhalation | long term systemic effects | / | 10.2 mg/m ³ |
| styrene | Consumer | inhalation | short term systemic effects | / | 174.25 mg/m ³ |
| styrene | Consumer | inhalation | short term local effects | / | 182.75 mg/m ³ |
| styrene | Consumer | dermal | long term systemic effects | / | 343 mg/kg bw/day |
| styrene | Consumer | oral | long term systemic effects | / | 2.1 mg/kg bw/day |
| maleic anhydride | Worker | inhalation | long term systemic effects | / | 0.4 mg/m ³ |
| maleic anhydride | Worker | inhalation | short term systemic effects | / | 0.8 mg/m ³ |
| maleic anhydride | Worker | inhalation | long term local effects | / | 0.4 mg/m ³ |
| maleic anhydride | Worker | inhalation | short term local effects | / | 0.8 mg/m ³ |
| 1,4-naftokinon | Worker | inhalation | long term systemic effects | / | 0.033 mg/m ³ |

PNEC values

For product

No information.

For components

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

| Name | Exposure route | Remark | Value |
|--|-------------------------------------|------------|----------------------|
| Talc (Mg₃H₂(SiO₃)₄) | fresh water | / | 597.97 mg/L |
| Talc (Mg₃H₂(SiO₃)₄) | water, intermittent release | / | 597.97 mg/L |
| Talc (Mg₃H₂(SiO₃)₄) | marine water | / | 141.26 mg/L |
| Talc (Mg₃H₂(SiO₃)₄) | water, marine, intermittent release | / | 141.26 mg/L |
| Talc (Mg₃H₂(SiO₃)₄) | fresh water sediment | dry weight | 31.33 mg/kg |
| Talc (Mg₃H₂(SiO₃)₄) | marine water sediment | dry weight | 3.13 mg/kg |
| Talc (Mg₃H₂(SiO₃)₄) | {p:47998} | / | 10 mg/m ³ |
| styrene | fresh water | / | 0.028 mg/L |
| styrene | water, intermittent release | / | 0.04 mg/L |
| styrene | marine water | / | 0.014 mg/L |
| styrene | water treatment plant | / | 5 mg/L |
| styrene | fresh water sediment | dry weight | 0.614 mg/kg |
| styrene | marine water sediment | dry weight | 0.307 mg/kg |
| styrene | soil | dry weight | 0.2 mg/kg |
| maleic anhydride | fresh water | / | 0.1 mg/L |
| maleic anhydride | water, intermittent release | / | 0.428 mg/L |
| maleic anhydride | marine water | / | 0.01 mg/L |
| maleic anhydride | water treatment plant | / | 44.6 mg/L |
| maleic anhydride | fresh water sediment | dry weight | 0.334 mg/kg |
| maleic anhydride | marine water sediment | dry weight | 0.033 mg/kg |
| maleic anhydride | soil | dry weight | 0.042 mg/kg |
| 1,4-naftokinon | fresh water | / | 26.1 ng/l |
| 1,4-naftokinon | water, intermittent release | / | 261 ng/l |
| 1,4-naftokinon | marine water | / | 2.61 ng/l |
| 1,4-naftokinon | water, marine, intermittent release | / | 26.1 ng/l |
| 1,4-naftokinon | water treatment plant | / | 0.172 mg/L |
| 1,4-naftokinon | fresh water sediment | dry weight | 321 ng/kg |
| 1,4-naftokinon | marine water sediment | dry weight | 32.1 ng/kg |
| 1,4-naftokinon | soil | dry weight | 49 ng/kg |

8.2 Exposure controls

Appropriate engineering control

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

Personal protective equipment

Eye and face protection

Safety glasses with side protection (BS EN ISO 16321-1:2022).

Hand protection

Protective gloves (EN ISO 374-1:2016). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The penetration time is determined by the protective glove manufacturer and must be observed.

Appropriate materials

Skin protection

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2022). At high risk of skin exposure chemical suits (BS EN 13034:2005+A1:2009) and boots may be required (BS EN ISO 20345:2022+A1:2024).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

Thermal hazards

No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: 6090 B9 Multi-Azure

Creation date: 19.01.2023, Revision: 26.02.2025, Version: 7.1

Important health, safety and environmental information

| | |
|--|--|
| Physical state | liquid |
| Shape | No information. |
| Colour | silver |
| Odour | No information. |
| Odour threshold | No information. |
| Melting/freezing point or softening point | No information. |
| Boiling point or initial boiling point and boiling range | No information. |
| Flammability | 480 °C |
| Lower and upper explosion limit | No information. |
| Flash point | 31 °C |
| Auto-ignition temperature | No information. |
| Decomposition temperature | No information. |
| pH | Substance/mixture is non-soluble (in water). Does not apply |
| Viscosity | No information. |
| Solubility (Water) | insoluble in water, soluble in organic solvents |
| Partition coefficient n-octanol/water (log value) | No information. |
| Vapour pressure | 6 hPa |
| Density | 1.43 – 1.46 g/cm ³ |
| Relative vapour/gas density | No information. |
| Particle characteristics | No information. |

9.2 Other information

Information with regard to physical hazard classes

No information.

Other safety characteristics

| | |
|-------------------------|--------------------|
| Weight organic solvents | 249 g/l (VOC (CH)) |
|-------------------------|--------------------|

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures.

10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

10.5 Incompatible materials

Oxidants.

10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

Section 11: Toxicological information

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

(a) Acute toxicity

For components

| Name | Exposure route | Type | Species | Time | Value | Method | Remark |
|-------------------------|----------------|------------------|---------|------|--------------|----------|--------|
| styrene | oral | LD ₅₀ | rat | / | 5000 mg/kg | / | / |
| styrene | dermal | LD ₅₀ | rat | / | > 2000 mg/kg | OECD 402 | / |
| styrene | inhalation | LC ₅₀ | rat | 4 h | 11.8 mg/l | / | / |
| maleic anhydride | oral | LD ₅₀ | rat | / | 1090 mg/kg | / | / |
| maleic anhydride | inhalation | LC ₅₀ | rat | 1 h | > 4.35 mg/l | / | / |
| maleic anhydride | oral | LD ₅₀ | rabbit | / | 2620 mg/kg | / | / |

Additional information

The product is not classified as acutely toxic.

(b) Skin corrosion/irritation

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

For components

| Name | Species | Time | result | Method | Remark |
|-------------------------|---------|------|------------|--------|--------|
| maleic anhydride | rabbit | / | Corrosive. | / | / |

Additional information

The product is not classified as irritating to skin and eyes. Causes skin irritation.

(c) Serious eye damage/irritation

No information.

(d) Respiratory or skin sensitisation

For components

| Name | Exposure route | Species | Time | result | Method | Remark |
|-------------------------|----------------|---------|------|--------------|--------|--------|
| maleic anhydride | dermal | / | / | Sensitizing. | / | / |

Additional information

May cause an allergic skin reaction. The product is not classified as sensitising.

(e) (Germ cell) mutagenicity

For components

| Name | Type | Species | Time | result | Method | Remark |
|-------------------------|-----------------------|---------|------|-----------|--------|--------|
| maleic anhydride | in-vitro mutagenicity | / | / | Negative. | / | / |
| maleic anhydride | in-vivo mutagenicity | / | / | Negative. | / | / |

(f) Carcinogenicity

For components

| Name | Exposure route | Type | Species | Time | Value | result | Method | Remark |
|-------------------------|----------------------|-------|---------|------|------------------|--------|----------|------------------------------|
| styrene | inhalation (vapours) | NOAEL | rat | / | 4.34 mg/l | / | OECD 453 | 5 days per week, 6 h per day |
| maleic anhydride | dermal | NOEL | rat | / | 100 mg/kg bw/day | / | / | / |

(g) Reproductive toxicity

For components

| Name | Reproductive toxicity type | Type | Species | Time | Value | result | Method | Remark |
|----------------|----------------------------|-----------------|---------|------|-----------------|--------|----------|---------------------|
| styrene | Effects on fertility | NOAEL (parents) | rat | / | 0.65 - 2.2 mg/L | / | OECD 416 | Inhalation (vapour) |

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

| Name | Reproductive toxicity type | Type | Species | Time | Value | result | Method | Remark |
|-------------------------|----------------------------|------------|---------|------|-----------|--------|----------------------|---------------------|
| styrene | Effect on fertility | NOAEL (F2) | rat | / | 0.22 mg/L | / | OECD 416 | Inhalation (vapour) |
| styrene | Developmental toxicity | NOAEL | rat | / | 2.6 mg/L | / | / | inhalation |
| styrene | Teratogenicity | NOAEL | rat | / | 2.6 mg/L | / | / | inhalation |
| styrene | Maternal toxicity | LOAEL | rat | / | 1.3 mg/L | / | / | inhalation |
| maleic anhydride | Reproductive toxicity | NOAEL | rat | / | 55 mg/kg | / | two-generation study | / |

Summary of evaluation of the CMR properties

Suspected of damaging the unborn child. The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

No information.

Additional information

STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

For components

| Name | Exposure route | Type | Species | Time | Exposure | organ | Value | result | Method | Rem |
|----------------|----------------------|-------|---------|----------|-------------|-------|-----------|--------|----------|-----|
| styrene | inhalation (vapours) | NOAEL | rat | 13 weeks | sub-acute | / | 0.85 mg/L | / | / | 6h/ |
| styrene | inhalation (vapours) | NOAEL | rat | / | sub-chronic | / | mg/L | / | OECD 453 | 6h/ |

Additional information

Causes damage to organs through prolonged or repeated exposure. STOT RE (repeated exposure): Not classified.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: 6090 B9 Multi-Azure

Creation date: 19.01.2023, Revision: 26.02.2025, Version: 7.1

(j) Aspiration hazard

No information.

Additional information

Aspiration hazard: Not classified.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Other information

No information.

Section 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity

For components

| Name | Type | Value | Exposure time | Species | Organism | Method | Remark |
|------------------|------------------|--------------|---------------|-----------|--|------------------|--------|
| styrene | LC ₅₀ | 4.02 mg/L | 96 h | fish | <i>Pimephales promelas</i> | / | / |
| styrene | EC ₅₀ | 4.7 mg/L | 48 h | crustacea | <i>Daphnia magna</i> | OECD 202 | / |
| styrene | EC ₅₀ | 4.9 mg/L | 72 h | algae | <i>Pseudokirchneriella subcapitata</i> | EPA OTS 797.1050 | / |
| styrene | EC ₅₀ | ca. 500 mg/L | 30 min | bacteria | / | OECD 209 | / |
| styrene | EC ₁₀ | 0.28 mg/L | 96 h | algae | <i>Pseudokirchneriella subcapitata</i> | EPA OTS 797.1050 | / |
| maleic anhydride | LC ₅₀ | 75 mg/L | 96 h | fish | <i>Lepomis macrochirus</i> | / | / |
| maleic anhydride | LC ₅₀ | 75 mg/L | 96 | fish | <i>Oncorhynchus mykiss</i> | / | / |

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

| Name | Type | Value | Exposure time | Species | Organism | Method | Remark |
|-------------------------|------------------|------------|---------------|----------------|--|---|--------|
| maleic anhydride | EC ₅₀ | 42.81 mg/L | 48 h | crustacea | <i>Daphnia magna</i> | / | / |
| maleic anhydride | EC ₅₀ | 150 mg/L | 72 h | algae | <i>Pseudokirchneriella subcapitata</i> | / | / |
| maleic anhydride | EC ₁₀ | 44.6 mg/L | 18 h | microorganisms | <i>Pseudomonas putida</i> | / | / |
| 1,4-naftokinon | EC ₅₀ | 0.011 mg/L | 72 h | algae | <i>Dunaliella biocultura</i> | OECD Guideline 201 (Alga, Growth Inhibition Test) | / |

Chronic (long-term) toxicity

For components

| Name | Type | Value | Exposure time | Species | Organism | Method | Remark |
|-------------------------|------|-----------|---------------|-----------|--|----------|--------|
| styrene | NOEC | 1.01 mg/l | 21 days | crustacea | <i>Daphnia magna</i> | OECD 211 | / |
| maleic anhydride | NOEC | 10 mg/l | 21 days | crustacea | <i>Daphnia magna</i> | / | / |
| maleic anhydride | NOEC | 11.8 mg/l | 72 h | algae | <i>Pseudokirchneriella subcapitata</i> | / | / |

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

For components

| Name | Type | Rate | Time | Evaluation | Method | Remark |
|--|------------------|------------|---------|-----------------------|--------------|---------------------------|
| Talc (Mg₃H₂(SiO₃)₄) | Water solubility | < 0.1 mg/L | / | / | / | / |
| styrene | biodegradability | 70.9 % | 28 days | readily biodegradable | ISO DIN 9408 | aerobic, activated sludge |

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

| Name | Type | Rate | Time | Evaluation | Method | Remark |
|-------------------------|-------------------|----------|------|------------------------|--------------|--------|
| maleic anhydride | biodegrad ability | > 90 % | / | rapidly biodegrad able | OECD 301 B | / |
| 1,4-naftokinon | biodegrad ability | 0 - 60 % | / | / | OECD 301 A-F | / |

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

For components

| Name | Value | Temperature °C | pH | Concentration | Method |
|-------------------------|-------|----------------|----|---------------|--------|
| styrene | 2.96 | / | / | / | / |
| maleic anhydride | -2.61 | / | / | / | / |
| 1,4-naftokinon | 1.71 | / | / | / | / |

Bioconcentration factor (BCF)

For components

| Name | Species | Organism | Value | Duration | Evaluation | Method | Remark |
|----------------|---------|----------|-------|----------|------------|--------|--------------------|
| styrene | BCF | fish | 13.5 | / | / | / | / |
| styrene | BCF | / | 74 | / | / | / | Calcula d value |

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

For components

| Name | Type | Criterion | Value | Evaluation | Method | Remark |
|-------------------------|------|-----------|-------|------------|--------|--------|
| styrene | Soil | log KOC | 2.55 | / | / | / |
| styrene | Soil | / | 352 | / | / | Koc |
| maleic anhydride | Soil | log KOC | 1.63 | / | / | / |

12.5 Results of PBT and vPvB assessment

No evaluation.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

12.6 Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

12.7 Other adverse effects

No information.

12.8 Additional information

For product

Product is not classified as hazardous for environment. Do not allow to reach ground water, water courses or sewage system.

Section 13: Disposal considerations

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Waste codes / waste designations according to LoW

No information.

Packaging

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Uncleaned containers should not be perforated, cut or welded. Empty containers represent a fire hazard as they may contain flammable product residues and vapours.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

No information.

Sewage disposal-relevant information

No information.

Other disposal recommendations

No information.

Section 14: Transport information

| ADR/RID | IMDG | IATA | ADN |
|------------------------------------|---------|---------|---------|
| 14.1 UN number or ID number | | | |
| UN 1866 | UN 1866 | UN 1866 | UN 1866 |





SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

| ADR/RID | IMDG | IATA | ADN |
|--|---|---|---|
| 14.2 UN proper shipping name | | | |
| RESIN SOLUTION | RESIN SOLUTION | RESIN SOLUTION | RESIN SOLUTION |
| 14.3 Transport hazard class(es) | | | |
| 3 | 3 | 3 | 3 |
|  |  |  |  |
| 14.4 Packing group | | | |
| III | III | III | III |
| 14.5 Environmental hazards | | | |
| NO | NO | NO | NO |
| 14.6 Special precautions for user | | | |
| Limited quantities 5 L Packing Instructions P001, IBC03, LP01, R001 Special packing provisions PP1 Transport category 3 Tunnel restriction code (D/E) Classification code F1 | Limited quantities 5 L EmS F-E, <u>S-E</u> Flash point 31 °C | Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y344 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 10 L Packing Instructions (Pkg Inst) 355 Maximum Net Quantity/Package (Max Net Qty/Pkg) 25 L Special provisions A3 | Limited quantities 5 L |
| 14.7 Maritime transport in bulk according to IMO instruments | | | |
| | Goods may not be carried in bulk in bulk containers, containers or vehicles. | | |

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

Section 15: Regulatory information

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

EU limit values and category: B(b) 250 g/l. VOC Content: 249 g/l

Ingredients according to Regulation (EC) No 648/2004 on detergents

No information.

Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: Other information

Indication of changes

9.1 Information on basic physical and chemical properties 14. Transport information

Key literature references and sources for data

No information.

Abbreviations and acronyms

ATE - Acute Toxicity Estimate

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CEN - European Committee for Standardisation

C&L - Classification and Labelling

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS# - Chemical Abstracts Service number

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSA - Chemical Safety Assessment

CSR - Chemical Safety Report

DMEL - Derived Minimal Effect Level

DNEL - Derived No Effect Level

DPD - Dangerous Preparations Directive 1999/45/EC

DSD - Dangerous Substances Directive 67/548/EEC

DU - Downstream User

EC - European Community

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW - see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **6090 B9 Multi-Azure**

Creation date: **19.01.2023**, Revision: **26.02.2025**, Version: **7.1**

UN - United Nations

vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

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.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs (hearing organs) through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.