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

1.1 Product identifier

Product name

Stronghold Premium Resin

UFI:

UH10-F03N-D000-YS8A

https://my.chemius.net/p/YxWYyh/en/pd/e8

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

Relevant identified uses

Resin.

Uses advised against

No information.

1.3 Details of the supplier of the safety data sheet

Supplier

Stronghold Composites Ltd
Unit 5 Omega Business Park, Leopold St
WN5 8EJ Pemberton, United Kingdom
01423886495
enquiries@topseal.co.uk

1.4 Emergency Telephone Number

Emergency

In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

NHS: 111

Supplier

01423886495

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 2020 No. 1567 (GB CLP).

Flam. Liq. 3; H226 Flammable liquid and vapour.
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.
Skin Irrit. 2; H315 Causes skin irritation.
Eye Irrit. 2; H319 Causes serious eye irritation.
Acute Tox. 4; H332 Harmful if inhaled.
STOT SE 3; H335 May cause respiratory irritation.
Repr. 2; H361d Suspected of damaging the unborn child.
STOT RE 1; H372 Causes damage to organs (hearing organs) through prolonged or repeated exposure.
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to 2020 No. 1567 (GB CLP)

Signal word: DANGER

Hazard statements:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful 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.
H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard information (EU):

EUH208 Contains 2-phenylpropene, Cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

Precautionary statements:

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.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with national regulation.

Contains:

styrene

2.3 Other hazards

PBT/vPvB

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine disrupting properties

The mixture does not contain substances that are included in the list of substances with endocrine disrupting properties established in accordance with Article 59 of the REACH Regulation, in a concentration ≥ 0.1 w/w %. The mixture does not contain substances identified as substances with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, in a concentration ≥ 0.1 w/w %.

Additional information

No information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

Name	CAS EC Index REACH	%	Classification according to 2020 No. 1567 (GB CLP).	Specific Concentration Limits	Notes for substances
styrene	100-42-5 202-851-5 601-026-00-0	25-30	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 Repr. 2; H361d STOT RE 1; H372 (hearing organs) Aquatic Chronic 3; H412	/	D
styrene	100-42-5 202-851-5 601-026-00-0 01-2119457861-32	10-15	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 Repr. 2; H361d STOT RE 1; H372 (hearing organs) Aquatic Chronic 3; H412	/	D
2-phenylpropene	98-83-9 202-705-0 601-027-00-6 01-2119472426-35	0.1-<1	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Sens. 1B; H317 Eye Irrit. 2; H319 STOT SE 3; H335 Repr. 2; H361d Aquatic Chronic 2; H411	STOT SE 3; H335; C ≥ 25%	/
Cobalt bis(2-ethylhexanoate)	136-52-7 205-250-6 607-230-00-6 01-2119524678-29	0.01-<0.1	Skin Sens. 1A; H317 Eye Irrit. 2; H319 Repr. 1B; H360FD Aquatic Acute 1; H400; M = 1 Aquatic Chronic 3; H412	/	/

Notes for substances

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! Aspiration hazard if swallowed. Can enter lungs and cause damage. If vomiting occurs, the patient should hold the head lower than the hips, because it reduces the possibility of aspiration. 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

Can cause irritation of respiratory system. Symptoms include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness. Coughing, sneezing, nasal discharge, labored breathing. Harmful.

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. Aspiration into the lungs causes coughing, shortness of breath and may lead to chemical pneumonia.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. After the product has been ingested vomiting can cause aspiration into the lungs. Because of the risk of aspiration, induction of vomiting and gastric lavage should be avoided.

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

Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

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.

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 a 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

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
Normal and branched chain alkanes ≥C7	1200	/	/	/	/	/

Name	mg/m³	ml/m³	Short-term value mg/m³	Short-term value ml/m³	Remark	Biological Tolerance Values
Silica, amorphous inhalable dust	6	/	/	/	/	/
Silica, amorphous respirable dust	2.4	/	/	/	/	/
Styrene (100-42-5)	430	100	1080	250	/	/
2-Phenylpropene (98-83-9)	246	50	491	100	/	/
Hydroquinone (123-31-9)	0.5	/	/	/	/	/

Information on monitoring procedures

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
styrene	Worker	inhalation	long term systemic effects	/	85 mg/m³
styrene	Worker	inhalation	short term systemic effects	/	289 mg/m³
styrene	Worker	inhalation	short term local effects	/	306 mg/m³
styrene	Worker	dermal	long term systemic effects	/	406 mg/kg bw/day
styrene	Consumer	inhalation	long term systemic effects	/	10.2 mg/m³
styrene	Consumer	inhalation	short term systemic effects	/	174.25 mg/m³
styrene	Consumer	inhalation	short term local effects	/	182.75 mg/m³
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
styrene	Worker	inhalation	long term systemic effects	/	85 mg/m³
styrene	Worker	inhalation	short term systemic effects	/	289 mg/m³

Name	Type	Exposure route	exp. frequency	Remark	Value
styrene	Worker	inhalation	short term local effects	/	306 mg/m³
styrene	Worker	dermal	long term systemic effects	/	406 mg/kg bw/day
styrene	Consumer	inhalation	long term systemic effects	/	10.2 mg/m³
styrene	Consumer	inhalation	short term systemic effects	/	174.25 mg/m³
styrene	Consumer	inhalation	short term local effects	/	182.75 mg/m³
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
2-phenylpropene	Worker	inhalation	long term systemic effects	/	246 mg/m³
2-phenylpropene	Worker	inhalation	short term local effects	/	492 mg/m³
2-phenylpropene	Worker	dermal	long term systemic effects	/	2.8 mg/kg bw/day
2-phenylpropene	Worker	dermal	long term local effects	/	0.105 mg/cm²
2-phenylpropene	Consumer	inhalation	long term systemic effects	/	4.83 mg/m³
2-phenylpropene	Consumer	dermal	long term systemic effects	/	1.4 mg/kg bw/day
2-phenylpropene	Consumer	dermal	long term local effects	/	0.052 mg/cm²
2-phenylpropene	Consumer	oral	long term systemic effects	/	0.1 mg/kg bw/day
Cobalt bis(2-ethylhexanoate)	Worker	inhalation	long term local effects	/	235.1 µg/m³
Cobalt bis(2-ethylhexanoate)	Consumer	inhalation	long term local effects	/	37 µg/m³
Cobalt bis(2-ethylhexanoate)	Consumer	oral	long term systemic effects	/	175 µg/kg bw/day

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	Value
styrene	fresh water	/	0.028 mg/L
styrene	water, intermittent release	/	0.04 mg/L
styrene	marine water	/	0.014 mg/L

Name	Exposure route	Remark	Value
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
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
2-phenylpropene	fresh water	/	0.008 mg/L
2-phenylpropene	water, intermittent release	/	0.016 mg/L
2-phenylpropene	marine water	/	0.001 mg/L
2-phenylpropene	water treatment plant	/	66.15 mg/L
2-phenylpropene	fresh water sediment	dry weight	0.583 mg/kg
2-phenylpropene	marine water sediment	dry weight	0.058 mg/kg
2-phenylpropene	soil	dry weight	0.112 mg/kg
Cobalt bis(2-ethylhexanoate)	fresh water	/	1.06 µg/L
Cobalt bis(2-ethylhexanoate)	marine water	/	2.36 µg/L
Cobalt bis(2-ethylhexanoate)	water treatment plant	/	0.37 mg/L
Cobalt bis(2-ethylhexanoate)	fresh water sediment	dry weight	53.8 mg/kg
Cobalt bis(2-ethylhexanoate)	marine water sediment	dry weight	69.8 mg/kg
Cobalt bis(2-ethylhexanoate)	soil	dry weight	10.9 mg/kg

8.2 Exposure controls

Appropriate engineering control

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 (BS EN ISO 374). 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

No information.

Skin protection

Choose body protection according to the activity and possible exposure. Cotton protective clothing and shoes that cover the entire foot (BS EN ISO 20345:2022+A1:2024). Apron (BS EN 14605:2005+A1:2009). Protective boots (BS EN 13832-2:2018). Protective work clothing resistant to liquid chemicals (BS EN 14605:2005+A1:2009). 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). Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Protective antistatic clothing BS EN 1149 (1:2006, 2:1997 and 3:2004, 5:2018), protective antistatic shoes (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

Important health, safety and environmental information

Physical state	liquid
Shape	No information.
Colour	No information.
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	No information.
Lower and upper explosion limit	No information.
Flash point	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	No information.
Viscosity	No information.
Solubility	No information.
Partition coefficient n-octanol/water (log value)	No information.
Vapour pressure	No information.
Density / weight	No information.
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

No information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is not reactive under normal conditions of use, storage and transport.

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

Not known.

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	24 h	> 2000 mg/kg bw	OECD 402	/
styrene	inhalation	LC_{50}	rat	4 h	11.8 mg/L	/	/
2-phenylpropene	oral	LD_{50}	rat	24 h	4900 mg/kg	/	/
2-phenylpropene	inhalation (vapours)	LC_{50}	rat	6 h	22.85 mg/L	/	/
2-phenylpropene	dermal	LD_{50}	rabbit	/	14560 mg/kg	/	/
Cobalt bis(2-ethylhexanoate)	oral	LD_{50}	rat	/	3129 mg/kg bw	OECD 425	/
Cobalt bis(2-ethylhexanoate)	dermal	LD_{50}	rat	/	> 2000 mg/kg bw	OECD 402	/

Additional information

Harmful if inhaled.

(b) Skin corrosion/irritation

For components

Name	Species	Time	Result	Method	Remark
styrene	rabbit	/	Irritating.	/	In vivo
2-phenylpropene	rabbit	/	Slightly irritating	/	/
Cobalt bis(2-ethylhexanoate)	/	/	Non corrosive.	OECD 431/EU Method B.40	in vitro

Additional information

Causes skin irritation.

(c) Serious eye damage/irritation

For components

Name	Exposure route	Species	Time	Result	Method	Remark
styrene	/	rabbit	/	Irritating.	/	In vivo
2-phenylpropene	/	rabbit	/	Irritating.	/	/
Cobalt bis(2-ethylhexanoate)	/	/	/	moderately irritating	OECD 437, EU B.47	/
Cobalt bis(2-ethylhexanoate)	/	rabbit	/	Irritating.	OECD 405	/

Additional information

Causes serious eye irritation.

(d) Respiratory or skin sensitisation

For components

Name	Exposure route	Species	Time	Result	Method	Remark
styrene	dermal	/	/	Does not cause skin sensitisation.	/	/
styrene	inhalation	/	/	Not classified.	/	/
2-phenylpropene	dermal	mouse	/	Sensitizing.	OECD 429, EU Method B.42	/
Cobalt bis(2-ethylhexanoate)	dermal	mouse	/	May cause sensitisation by skin contact.	OECD 429	/

Additional information

The product is not classified as sensitising.
It contains at least one ingredient that can cause sensitisation. Can cause allergic reaction.

(e) (Germ cell) mutagenicity

For components

Name	Type	Species	Time	Result	Method	Remark
styrene	in-vitro mutagenicity	Bacteria	/	Ambiguous.	OECD 471	S.typhimurium G46,TA1530, TA1535, TA100, TA98, TA1538, TA1537
styrene	in-vitro mutagenicity	Cell: Mammalian-Animal	/	Ambiguous.	OECD 476	Hamster
styrene	in-vitro mutagenicity	/	/	Positive.	OECD 473, 479	Chromosome aberration assay
styrene	in-vivo mutagenicity	mouse	/	Negative.	OECD 474, 486	/
2-phenylpropene	in-vitro mutagenicity	S. typhimurium TA 1535, TA 1537, TA 98 and TA 100	/	Negative.	OECD 471, OECD 472	/
2-phenylpropene	in-vitro mutagenicity	hamster	/	Negative.	OECD 476	/
2-phenylpropene	/	mouse	/	Negative.	OECD 474	/
Cobalt bis(2-ethylhexanoate)	in-vitro mutagenicity	Salmonella typhimurium TA98, TA100, TA102, TA 1535, TA1537	/	Negative.	OECD 471	Gene Mutation Test
Cobalt bis(2-ethylhexanoate)	in-vitro mutagenicity	mouse	/	Negative.	OECD 476	Gene Mutation Test

Name	Type	Species	Time	Result	Method	Remark
Cobalt bis(2-ethylhexanoate)	in-vivo mutagenicity	rat	/	Negative.	OECD 474, 475	/

(f) Carcinogenicity

For components

Name	Exposure route	Type	Species	Time	Value	Result	Method	Remark
styrene	inhalation	NOAEC	rat	/	≥ 4.34 mg/m ^{3} air	Negative	OECD 453	/
styrene	inhalation (vapours)	LOAEC	mouse (male/female)	/	0.09 - 0.18 mg/l	Positive	OECD 453	/
styrene	oral	NOAEL	rat	/	≥ 2000 mg/kg bw/day	positive	/	/
styrene	oral	LOAEL	mouse	/	150 mg/kg bw/day	Positive	/	/
2-phenylpropene	inhalation	LOAEC	rat, mouse	105 weeks	100 ppm	Negative	OECD 451	/

(g) Reproductive toxicity

For components

Name	Reproductive toxicity type	Type	Species	Time	Value	Result	Method	Remark
styrene	Effects on fertility	NOAEL/LOAEL	rat	60 days	100 - 200 mg/kg bw/day	Positive.	/	inhalation
styrene	Effects on fertility	NOAEL/LOAEL	rat	60 days	200 - 400 mg/kg bw/day	Positive.	OECD 422	oral
styrene	Reproductive toxicity	LOAEC (P, F1)	rat	/	2.13 mg/L	Negative.	two-generation study; OECD 416	inhalation
styrene	Reproductive toxicity	NOAEC (P, F1)	rat	/	0.64 mg/L	Negative.	two-generation study; OECD 416	inhalation
styrene	Reproductive toxicity	NOAEC (F2)	rat	/	0.21 mg/L	Negative.	two-generation study; OECD 416	inhalation
styrene	Reproductive toxicity	LOAEC (F2)	rat	70 days	0.64 mg/L	Negative.	two-generation study; OECD 416	inhalation

Name	Reproductive toxicity type	Type	Species	Time	Value	Result	Method	Remark
styrene	Maternal toxicity + developmental toxicity	NOAEC/LOAEC	rat	50 days	1.08 - 2.15 mg/L	Positive.	/	inhalation
styrene	Maternal toxicity	LOAEC	rat	/	1.28 mg/L	Positive.	OECD 414	6-15 days; inhalation
styrene	Developmental toxicity	NOAEC	rat	/	≥ 2.56 mg/L	Negative.	OECD 414	6-15 days; inhalation
styrene	Maternal toxicity + developmental toxicity	NOAEC	rabbit	/	2.56 mg/L	Negative.	OECD	6-18 days; inhalation
2-phenylpropene	Maternal toxicity	NOEL	rat (female)	/	200 mg/kg bw/day	Negative.	OECD 422	oral
2-phenylpropene	Parental toxicity	NOEL	rat (male)	/	1000 mg/kg bw/day	Negative.	OECD 422	oral
2-phenylpropene	inhalation	NOAEC	rat (male/female)	/	0.21 mg/L	Negative.	Similar to OECD 416	/
2-phenylpropene	Maternal toxicity	LOAEC	rabbit, rat	/	297 ppm	Positive.	Similar to OECD 414	inhalation
2-phenylpropene	Maternal toxicity	NOAEC	rabbit, rat	/	600 ppm	Positive.	Similar to OECD 414	inhalation
2-phenylpropene	Maternal toxicity	LOAEL	rabbit, rat	/	180 mg/kg bw/day	Positive.	Similar to OECD 414	inhalation
2-phenylpropene	Developmental toxicity	NOAEC	rabbit, rat	/	600 ppm	Positive.	Similar to OECD 414	Inhalation

Summary of evaluation of the CMR properties

Suspected of damaging the unborn child.

(h) STOT-single exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	Organ	Value	Result	Method	Remark
2-phenylpropene	inhalation	/	/	/	/	/	≥ 600 ppm	/	/	/
2-phenylpropene	inhalation	NOAEC	rat (male/female)	14 weeks	sub-chronic	/	300 ppm	/	OECD 413	/

Additional information

May cause respiratory irritation.

(i) STOT-repeated exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	Organ	Value	Result	Method	Remark
styrene	-	-	/	/	/	ear	/	Causes damage to organs through prolonged or repeated exposure.	/	/
styrene	inhalation	NOAEC	rat (male)	28 days	/	/	3.47 mg/L air	/	/	/
styrene	inhalation	NOAEC	/	28 days	/	/	2.13 mg/L air	/	/	ototoxicity
styrene	inhalation	NOAEC	mouse	28 days	/	/	0.181 mg/L air	/	OECD 412	/
styrene	inhalation	NOAEC	rat	28 days	/	/	0.688 mg/L air	/	OECD 412	/
styrene	inhalation	NOAEC	rat	/	/	nose	0.85 mg/L air	/	/	/
styrene	inhalation	NOAEC	rat	/	/	overall	2.13 mg/L air	/	/	/
styrene	oral	NOAEL	rat	/	/	/	1000 mg/kg bw/day	/	/	/
styrene	oral	LOAEL	rat	/	/	/	2000 mg/kg bw/day	/	/	/
styrene	oral	NOAEL	mouse	/	/	/	150 mg/kg bw/day	/	/	/
styrene	oral	LOAEL	mouse	/	/	/	300 mg/kg bw/day	/	/	/
styrene	inhalation	LOAEC	rat	/	/	/	0.21 mg/L air	/	OECD 453	/
styrene	inhalation	NOAEC	rat	/	/	ear	0.85 mg/L air	/	/	/
styrene	inhalation	LOAEC	rat	/	/	ear	3.41 mg/L air	/	OECD 453	/
Cobalt bis(2-ethylhexanoate)	oral	NOAEL	rat	28 days	/	/	30 mg/kg bw/day	Positive	OECD 422	/
Cobalt bis(2-ethylhexanoate)	oral	NOAEL	rat	90 days	/	/	3 mg/kg bw/day	/	OECD 408	/

Additional information

Causes damage to organs through prolonged or repeated exposure.

(j) Aspiration hazard

No information.

Additional information

May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

For product

The mixture does not contain substances that are included in the list of substances with endocrine disrupting properties established in accordance with Article 59 of the REACH Regulation, in a concentration ≥ 0.1 w/w %. The mixture does not contain substances identified as substances with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, in a concentration ≥ 0.1 w/w %.

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}	4.9 mg/L	72 h	algae	*Pseudokirchneriella subcapitata*	EPA OTS 797.1050	/
styrene	EC_{50}	4.7 mg/L	48 h	crustacea	*Daphnia magna*	OECD 202	/
styrene	NOEC	1.9 mg/L	/	crustacea	*Daphnia magna*	OECD 202	/
styrene	LC_{50}	4.02 - 10 mg/L	96 h	fish	*Pimephales promelas*	OECD 203	/
styrene	-	500 mg/L	30 min	bacteria	Activated sludge	OECD 209	/
styrene	LC_{50}	4.9 mg/L	72 h	algae	*Pseudokirchneriella subcapitata*	EPA OTS 797.1050	/
styrene	EC_{50}	4.7 mg/L	48 h	crustacea	*Daphnia magna*	OECD 202	/
styrene	NOEC	1.9 mg/L	/	crustacea	*Daphnia magna*	OECD 202	/

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
styrene	LC_{50}	4.02 - 10 mg/L	96 h	fish	*Pimephales promelas*	OECD 203	/
styrene	-	500 mg/L	30 min	bacteria	Activated sludge	OECD 209	/
2-phenylpropene	EC_{50}	11.441 mg/L	72 h	algae	*Desmodesmus subspicatus*	/	/
2-phenylpropene	NOEC	2.26 mg/L	72 h	algae	*Desmodesmus subspicatus*	/	/
2-phenylpropene	LOEC	8.3 mg/L	72 h	algae	*Desmodesmus subspicatus*	OECD 201 EU C.3	/
2-phenylpropene	EC_{50}	1.645 mg/L	48 h	crustacea	*Daphnia magna*	/	/
2-phenylpropene	EC_{10}	0.99 mg/L	48 h	crustacea	*Daphnia magna*	/	/
2-phenylpropene	NOEC	0.64 mg/L	48 h	crustacea	*Daphnia magna*	/	/
2-phenylpropene	LOEC	1.21 mg/L	48 h	crustacea	*Daphnia magna*	EU C.2, OECD 202	/
2-phenylpropene	LC_{50}	2.97 mg/L	96 h	fish	*Danio rerio*	/	/
2-phenylpropene	NOEC	2.13 mg/L	96 h	fish	*Danio rerio*	/	/
2-phenylpropene	LOEC	3.19 mg/L	96 h	fish	*Danio rerio*	EU C.1 OECD 203	/
Cobalt bis(2-ethylhexanoate)	EC_{50}	144 µg/l	72 h	algae	*Pseudokirchneriella subcapitata*	OECD 201	/
Cobalt bis(2-ethylhexanoate)	NOEC	32.2 µg/l	72 h	algae	*Pseudokirchneriella subcapitata*	OECD 201	/
Cobalt bis(2-ethylhexanoate)	LOEC	52.7 µg/l	72 h	algae	*Pseudokirchneriella subcapitata*	OECD 201	/
Cobalt bis(2-ethylhexanoate)	LC_{50}	1.512 mg/L	96 h	fish	*Oncorhynchus mykiss*	ASTM guideline (1996)	/
Cobalt bis(2-ethylhexanoate)	NOEC	0.939 mg/L	96 h	fish	*Oncorhynchus mykiss*	ASTM guideline (1996)	/

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
Cobalt bis(2-ethylhexanoate)	LOEC	1.577 mg/L	96 h	fish	*Oncorhynchus mykiss*	ASTM guideline (1996)	/
Cobalt bis(2-ethylhexanoate)	EC_{10}	3.73 mg/L	30 min	activated sludge	/	OECD 209	/
Cobalt bis(2-ethylhexanoate)	EC_{50}	120 mg/L	30 min	activated sludge	/	OECD 209	/

Chronic (long-term) toxicity

For components

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
styrene	NOEC	1.01 mg/L	21 days	crustacea	*Daphnia magna*	/	/
styrene	LOEC	2.06 mg/L	21 days	crustacea	*Daphnia magna*	/	/
styrene	EC_{50}	1.88 mg/L	21 days	crustacea	*Daphnia magna*	OECD 203	/
styrene	LC_{50}	120 mg/kg soil dw	14 days	earthworms	*Eisenia fetida*	OECD 207	/
styrene	LOEC	65 mg/kg soil dw	/	earthworms	*Eisenia fetida*	OECD 207	burrowing time and mean percent weight change
styrene	LOEC	180 mg/kg soil dw	/	earthworms	*Eisenia fetida*	OECD 207	survival
styrene	NOEC	34 mg/kg soil dw	/	earthworms	*Eisenia fetida*	OECD 207	mean percent weight change
styrene	NOEC	1.01 mg/L	21 days	crustacea	*Daphnia magna*	/	/
styrene	LOEC	2.06 mg/L	21 days	crustacea	*Daphnia magna*	/	/
styrene	EC_{50}	1.88 mg/L	21 days	crustacea	*Daphnia magna*	OECD 203	/
styrene	LC_{50}	120 mg/kg soil dw	14 days	earthworms	*Eisenia fetida*	OECD 207	/
styrene	LOEC	65 mg/kg soil dw	/	earthworms	*Eisenia fetida*	OECD 207	burrowing time and mean percent weight change
styrene	LOEC	180 mg/kg soil dw	/	earthworms	*Eisenia fetida*	OECD 207	survival

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
styrene	NOEC	34 mg/kg soil dw	/	earthworms	*Eisenia fetida*	OECD 207	mean percent weight change
2-phenylpropene	NOEC	1.01 mg/L	21 day	crustacea	*Daphnia magna*	/	/
2-phenylpropene	LOEC	2.06 mg/L	21 day	crustacea	*Daphnia magna*	/	/
2-phenylpropene	EC_{50}	1.88 mg/L	21 days	crustacea	*Daphnia magna*	OECD 203	/
Cobalt bis(2-ethylhexanoate)	EC_{50}	90.1 µg/L	7 days	algae	*Lemna minor*	OECD 221	/
Cobalt bis(2-ethylhexanoate)	NOEC	3 µg/L	7 days	algae	*Lemna minor*	OECD 221	/
Cobalt bis(2-ethylhexanoate)	LOEC	8.8 µg/L	7 days	algae	*Lemna minor*	OECD 221	/
Cobalt bis(2-ethylhexanoate)	NOECr	60.8 µg/L	21 days	crustacea	*Daphnia*	OECD 211	/
Cobalt bis(2-ethylhexanoate)	LC50	121.3 µg/L	21 days	crustacea	*Daphnia*	OECD 211	/
Cobalt bis(2-ethylhexanoate)	LOECR	93.3 µg/L	21 days	crustacea	*Daphnia*	OECD 211	/

Additional information

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

For components

Name	Environment	Type / Method	Half Time	Evaluation	Method	Remark
2-phenylpropene	/	/	/	stable	OECD 111	25°C; pH 5, 7, 9

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
styrene	biodegradability	87 %	20 days	readily biodegradable	Similar to OECD 301D	/
styrene	biodegradability	87 %	20 days	readily biodegradable	Similar to OECD 301D	/

Name	Type	Rate	Time	Evaluation	Method	Remark
2-phenylpropene	/	21 - 56 %	28 days	Not easily biodegradable.	OECD 301 F	/
Cobalt bis(2-ethylhexanoate)	biodegradability	60 %	10 days	readily biodegradable	OECD 301 B	/

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

For components

Name	Value	Temperature °C	pH	Concentration	Method
styrene	3	/	/	/	/
styrene	3	/	/	/	/
2-phenylpropene	3.48	/	/	/	/

Bioconcentration factor (BCF)

For components

Name	Species	Organism	Value	Duration	Evaluation	Method	Remark
styrene	BCF	/	74	/	/	/	Calculated value
styrene	BCF	/	74	/	/	/	Calculated value
2-phenylpropene	fish	*Cyprinus carpio*	15 - 140	56 days	/	/	temp. 25°C, conc. 0.3 mg/L
2-phenylpropene	fish	*Cyprinus carpio*	12 - 113	56 days	/	/	temp. 25°C, conc. 0.03 mg/L

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	/	352	/	/	Koc
styrene	Soil	log KOC	2.55	/	/	/
styrene	Soil	/	352	/	/	Koc
styrene	Soil	log KOC	2.55	/	/	/
2-phenylpropene	/	log KOC	2.84	/	/	/
2-phenylpropene	/	KOC	892	/	/	/

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

For product

The mixture does not contain substances that are included in the list of substances with endocrine disrupting properties established in accordance with Article 59 of the REACH Regulation, in a concentration ≥ 0.1 w/w %. The mixture does not contain substances identified as substances with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, in a concentration ≥ 0.1 w/w %.

12.7 Other adverse effects

No information.

12.8 Additional information

For product

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

Dispose of in accordance with applicable waste disposal regulation. 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

Dispose of in accordance with applicable waste disposal regulation. 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

14.1 UN number or ID number

ADR/RID	IMDG	IATA	ADN
UN 1866	UN 1866	UN 1866	UN 1866

14.2 UN proper shipping name

ADR/RID	IMDG	IATA	ADN
RESIN SOLUTION	RESIN SOLUTION	RESIN SOLUTION	RESIN SOLUTION

14.3 Transport hazard class(es)

ADR/RID	IMDG	IATA	ADN
3	3	3	3
			

14.4 Packing group

ADR/RID	IMDG	IATA	ADN
III	III	III	III

14.5 Environmental hazards

ADR/RID	IMDG	IATA	ADN
NO	NO	NO	NO

14.6 Special precautions for user

ADR/RID	IMDG	IATA	ADN
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, S-E**	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

ADR/RID	IMDG	IATA	ADN
/	Goods may not be carried in bulk in bulk containers, containers or vehicles.	/	/

SECTION 15: REGULATORY INFORMATION

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

- The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (UK REACH - 2020 No. 1577).

- The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020 (GB CLP - 2020 No. 1567).

- EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Information according 2012 No. 1715 about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

Ingredients according to 2020 No. 1617 (The Detergents (Amendment) (EU Exit) Regulations 2020)

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

No 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
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
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)
GB CLP - Classification Labelling Packaging Regulation; The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020 - 2020 No. 1567
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
LC_{50} - Lethal Concentration to 50 % of a test population
LD_{50} - 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
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
UK REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 - 2020 No. 1577
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H360FD May damage fertility. May damage the unborn child.
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.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

☑ Provided correct labelling of the product
☑ Compliance with the local legislation
☑ Provided correct classification of the product
☑ Provided adequate transport data

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and nationallaws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposesother than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure thatthe necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions.The information given in this SDS is to describe the product only in terms of health and safety requirements and should not,therefore, be construed as guaranteeing specific properties.