SAFETY DATA SHEET

Flexiglass Resin

Compilation date: 30/06/2022

Revision No: 1

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

1.1. Product identifier

Product name: Flexiglass Resin

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

Use of substance / mixture: USED IN A VARIETY OF POLYESTER RESIN SYSTEM WITHIN THE FIBERGLASS MOULDING INDUSTRY

1.3. Details of the supplier of the safety data sheet

Company name: Cromar Building Products
Units 3,4,5 Northside Ind. Park
Whitley Bridge
DN14 OGH

Tel: 01977 663 133

Email: sales@cromar.uk.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 7427948838

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Repr. 2: H361; Skin Irrit. 2: H315; STOT RE 1: H372; STOT SE 3: H335; -: EUH208

Most important adverse effects: Contains cobalt neodecanoate. May produce an allergic reaction. Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Suspected of damaging fertility or the unborn child . Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: EUH208: Contains cobalt neodecanoate. May produce an allergic reaction.
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

[cont...]

H335: May cause respiratory irritation.
H361: Suspected of damaging fertility or the unborn child .
H372: Causes damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark
GHS08: Health hazard



Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241: Use explosion-proof electrical/ventilating/lighting/.. equipment.
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+310: IF SWALLOWED: Immediately call a.
P302+352: IF ON SKIN: Wash with plenty of water/.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

STYRENE MONOMER

EINECS	CAS	PBT / WEL	CLP Classification	Percent
202-851-5	100-42-5	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Repr. 2: H361; STOT SE 3: H335; STOT RE 1: H372; Asp. Tox. 1: H304; Aquatic Chronic 3: H412	10-30%

STYRENE

202-851-5	100-42-5	-	Flam. Liq. 3: H226; Repr. 2: H361d; Acute Tox. 4: H332; STOT RE 1: H372; Skin Irrit. 2: H315; Eye Irrit. 2: H319	<1%

[cont...]

COBALT NEODECANOATE

-	27253-31-2	-	Acute Tox. 4: H302; Skin Sens. 1: H317; STOT RE 1: H372; Aquatic Chronic 3: H412	<1%

POTASSIUM 2-ETHYLHEXANOATE

-	3164-85-0	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Repr. 2: H361	<1%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

[cont...]

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

STYRENE MONOMER

Workplace exposure limits: **Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	430 mg/m3	1080 mg/m3	-	-

STYRENE

UK	430 mg/m3	1080 mg/m3	-	-

COBALT NEODECANOATE

EU	0.1/mgm3	-	-	-

DNEL/PNEC Values

[cont...]

Hazardous ingredients:

STYRENE MONOMER

Type	Exposure	Value	Population	Effect
DNEL	Dermal (repeated dose)	406 mg/kg/day	Workers	Systemic
DNEL	Inhalation	289 mg/m3	Workers	Systemic
DNEL	Inhalation (repeated dose)	85mg/m3	Workers	Systemic
DNEL	Inhalation	306 mg/m3	Workers	Local
DNEL	Oral	2.1mg/kg/day	Consumers	Systemic
DNEL	Dermal	343 mg/kg/day	Consumers	Systemic
DNEL	Inhalation	10.2 mg/m3	Consumers	Systemic
DNEL	Inhalation	174.25 mg/m3	Consumers	Systemic
DNEL	Inhalation	182.75 mg/m3	Consumers	Local
PNEC	Marine water	0.014 mg/l	-	-
PNEC	Fresh water	0.028 mg/l	-	-
PNEC	Fresh water sediments	0.614 mg/kg dry weig	-	-
PNEC	Marine sediments	.307 mg/kg dry weigh	-	-
PNEC	Soil (agricultural)	0.2 mg/kg dry weight	-	-
PNEC	Microorganisms in sewage treatment	5 mg/l	-	-

STYRENE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (developmental tox)	10.2 mg/m3	Consumers	Systemic
DNEL	Inhalation (repeated dose)	182.75 mg/m3	Consumers	Local
DNEL	Inhalation (developmental tox)	174.25 mg/m3	Consumers	Systemic
DNEL	Inhalation (developmental tox)	85 mg/m3	Workers	Systemic
DNEL	Inhalation (repeated dose)	306 mg/m3	Workers	Local
DNEL	Inhalation (developmental tox)	289 mg/m3	Workers	Systemic

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

[cont...]

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Colourless
Odour: Perceptible odour
Viscosity: Non-viscous
Flash point°C: 31

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

STYRENE MONOMER

-	RAT	LD50	5000	mg/kg

[cont...]

STYRENE

IVN	MUS	LD50	90	mg/kg
ORL	MUS	LD50	316	mg/kg
ORL	RAT	LD50	2650	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Reproductive toxicity	--	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

[cont...]

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1866

14.2. UN proper shipping name

Shipping name: RESIN SOLUTION

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No **Marine pollutant:** No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 3

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

[cont...]

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.
H335: May cause respiratory irritation.
H361: Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H361d: Suspected of damaging the unborn child.
H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.