

## SAFETY DATA SHEET

Safety Data Sheet according to regulation (EC) No 1907/2006 & 1272/2008 and amendments

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

**1.1 PRODUCT IDENTIFIER**      **SETALUX® 1182 XX-60**

**Product Description:**                      Polymer solution

**Unique Formula Identifier (UFI)**    CX32-90GU-D00C-QR5T

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

**Intended/Recommended Use:**    Coating Resins

**Uses advised against:**                      -

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Company:** Tennants Distribution Limited, Hazelbottom Road, Cheetham, Manchester. M8 0GR

**For Product and all Non-Emergency Information call** +44(0)161 205 4454

### 1.4 EMERGENCY TELEPHONE NUMBER

**EMERGENCY TELEPHONE NUMBER (24 hours/day) - For emergency only involving spill, leak, fire, exposure or accident call:** +44(0)844 335 0001

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## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**Classification according to Regulation (EC) No 1272/2008 and amendments**

Flammable Liquid Hazard Category 3

Specific Target Organ Toxicity (STOT) - Repeated Exposure Hazard Category 2

Specific Target Organ Toxicity (STOT) - Single Exposure Hazard Category 3

Skin Corrosion / Irritation Hazard Category 2

Serious Eye Damage / Eye Irritation Hazard Category 2

## 2.2 LABEL ELEMENTS



### Signal Word

Warning

### Hazard Statements

H226 - Flammable liquid and vapour.

H373 - May cause damage to organs through prolonged or repeated exposure.

H335 - May cause respiratory irritation.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

EUH208 - Contains butyl acrylate. May produce an allergic reaction.

### Precautionary Statements

Precautionary statements on the label will be reduced as indicated in Regulation (EC) No 1272/2008, Article 28.

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

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P271 - Use only outdoors or in a well-ventilated area.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

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

P370 + P378 - In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P321 - Specific treatment (see supplemental first aid instructions on this label).

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

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

P337 + P313 - If eye irritation persists: Get medical advice/attention.

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

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

## 2.3 OTHER HAZARDS

Not applicable

## RESULTS OF PBT AND vPvB ASSESSMENT

Not determined

## ENDOCRINE DISRUPTOR INFORMATION

**Endocrine disrupting - health:**

Not applicable

**Endocrine disrupting - environment:**

Not applicable

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance, Mixture or Article? Mixture

### 3.2 MIXTURES

Component / CAS No.	%	EC-No	REACH Registration Number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	EU - CLP EUH Codes
Xylene 1330-20-7	30-<35	215-535-7	01-2119488216-32	Flam. Liq. 3 (H226) Acute Tox. 4 (H312) Acute Tox. 4 (H332) STOT RE 2 (H373) STOT Single 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Asp. Tox. 1 (H304)	
Ethylbenzene 100-41-4	5-<10	202-849-4	01-2119489370-35	Flam. Liq. 2 (H225) Acute Tox. 4 (H332) STOT RE 2 (H373) Asp. Tox. 1 (H304) Aquatic Chronic 3 (H412)	
Butyl acrylate 141-32-2	<0.25	205-480-7	01-2119453155-43	Flam. Liq. 3 (H226) D Acute Tox. 4 (H332) D STOT SE 3 (H335) D Skin Irrit. 2 (H315) D Eye Irrit. 2 (H319) D Skin Sens. 1B (H317) D Aquatic Chronic 3 (H412) D	

Component / CAS No.	REACH SVHC	M-Factor	CLP Specific Concentration Limits	CLP Acute Toxicity Estimates (ATEs)
Butyl acrylate 141-32-2			STOT SE 3 H335 C>=10%	

**XYLENE: Several REACH registrations cover the multi-constituent substance with xylene isomers, ethylbenzene (and toluene). The other REACH descriptions are:**

Aromatic hydrocarbons, C8 (EC-No. 905-570-2)

Reaction mass of ethylbenzene and m-xylene and p-xylene (EC-No. 905-562-9)

Reaction mass of ethylbenzene and xylene (EC-No. 905-588-0)

See Section 16 for full text of H phrases.

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

**Eye Contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Skin Contact:**

Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

**Ingestion:**

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a doctor.

**Inhalation:**

Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

Burning sensation.

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Not applicable.

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**SECTION 5: FIREFIGHTING MEASURES****5.1 EXTINGUISHING MEDIA****Suitable Extinguishing Media:**

Carbon dioxide. dry chemical. Alcohol resistant foam. Water spray.

**Unsuitable Extinguishing Media:**

full water jet.

**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

May be ignited by heat, sparks or flames. Flammable. Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**5.3 ADVICE FOR FIREFIGHTERS****Protective Equipment:**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take action to prevent static discharge. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Ventilate the area.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Avoid release to the environment.

**6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Stop leak if safe to do so. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways.

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Take action to prevent static discharge. Dam up. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal.

## 6.4 REFERENCE TO OTHER SECTIONS

See Sections 7, 8 and 13 for additional information.

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## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Precautions:** Keep away from heat, sparks and open flame. - No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting and other equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye/face protection. Wash hands thoroughly after handling. Avoid release to the environment. Use only outdoors or in a well-ventilated area. Do not breathe vapors or spray mist.

**Special Handling Statements:** Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take action to prevent static discharge. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practices. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Containers must be bonded and grounded when pouring or transferring material.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

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

**Storage Class (TRGS 510):** 3

### 7.3 SPECIFIC END USE(S)

Industrial manufacture of coatings and inks.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

#### 1330-20-7 Xylene

United Kingdom: WEL (Workplace Exposure Limits)	50 ppm (TWA) 220 mg/m <sup>3</sup> (TWA) (skin) 100 ppm (STEL) 441 mg/m <sup>3</sup> (STEL)
Europe ILV (Indicative Limit Values):	50 ppm (TWA) 221 mg/m <sup>3</sup> (TWA) 100 ppm (STEL) 442 mg/m <sup>3</sup> (STEL) (skin)
Other Value:	Not established

**100-41-4 Ethylbenzene**

United Kingdom: WEL (Workplace Exposure Limits)	100 ppm (TWA) 441 mg/m <sup>3</sup> (TWA) (skin) 125 ppm (STEL) 552 mg/m <sup>3</sup> (STEL)
Europe ILV (Indicative Limit Values):	100 ppm (TWA) 442 mg/m <sup>3</sup> (TWA) 200 ppm (STEL) 884 mg/m <sup>3</sup> (STEL) (skin)
Other Value:	Not established

**141-32-2 Butyl acrylate**

United Kingdom: WEL (Workplace Exposure Limits)	1 ppm (TWA) 5 mg/m <sup>3</sup> (TWA) 5 ppm (STEL) 26 mg/m <sup>3</sup> (STEL)
Europe ILV (Indicative Limit Values):	2 ppm (TWA) 11 mg/m <sup>3</sup> (TWA) 10 ppm (STEL) 53 mg/m <sup>3</sup> (STEL)
Other Value:	Not established

**Biological Exposure Limit(s)****1330-20-7 Xylene**

Biological Monitoring Guidance Values (United Kingdom)	650 mmol/mol creatinine hippuric acid	Medium: urine	Time: post shift	Parameter: Methyl
Biological Exposure Indices (ACGIH)	0.3 g/g creatinine (urine - end of shift)			

**100-41-4 Ethylbenzene**

Biological Exposure Indices (ACGIH)	150 mg/g creatinine (urine - end of shift)
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**Derived No Effect Level (DNEL):****Xylene (1330-20-7)**

Use	Route	DNEL	Units	Effects Type
Worker	inhalation	442	mg/m <sup>3</sup>	Short term, systemic
Worker	inhalation	442	mg/m <sup>3</sup>	Short term, local
Worker	Dermal	212	mg/kg	Long term, systemic
Worker	inhalation	221	mg/m <sup>3</sup>	Long term, systemic
General Population	inhalation	260	mg/m <sup>3</sup>	Short term, systemic
General Population	inhalation	260	mg/m <sup>3</sup>	Short term, local
General Population	Dermal	125	mg/kg/day	Long term, systemic
General Population	inhalation	65.3	mg/m <sup>3</sup>	Long term, systemic
General Population	Oral	12.5	mg/kg/day	Long term, systemic
Worker	inhalation	221	mg/m <sup>3</sup>	Long term, local
General Population	inhalation	65.3	mg/m <sup>3</sup>	Long term, local

**Ethylbenzene (100-41-4)**

Use	Route	DNEL	Units	Effects Type
Worker	inhalation	77	mg/m <sup>3</sup>	Long term, systemic
Worker	inhalation	293	mg/m <sup>3</sup>	Long term, local
Worker	Dermal	180	mg/kg/day	Long term, systemic
General Population	inhalation	15	mg/m <sup>3</sup>	Long term, systemic
General Population	Oral	1.6	mg/kg/day	Long term, systemic

**Butyl acrylate (141-32-2)**

Use	Route	DNEL	Units	Effects Type
Worker	inhalation	11	mg/m <sup>3</sup>	Long term, local

**Predicted No Effect Concentration (PNEC):****Xylene (1330-20-7)**

<b>Compartment</b>	<b>PNEC</b>	<b>Units</b>
Fresh water	0.327	mg/l
Marine water	0.327	mg/l
Intermittent water release	0.327	mg/l
Sewage treatment plant	6.58	mg/l
Sediment (fresh water)	12.46	mg/kg
Sediment (marine water)	12.46	mg/kg
Soil	2.31	mg/kg

**Ethylbenzene (100-41-4)**

<b>Compartment</b>	<b>PNEC</b>	<b>Units</b>
Fresh water	0.1	mg/l
Marine water	0.01	mg/l
Intermittent water release	0.1	mg/l
Sewage treatment plant	9.6	mg/l
Sediment (fresh water)	13.7	mg/kg
Sediment (marine water)	1.37	mg/kg
Soil	2.68	mg/kg
Oral (Secondary Poisoning)	20	mg/kg food

**Butyl acrylate (141-32-2)**

<b>Compartment</b>	<b>PNEC</b>	<b>Units</b>
Fresh water	0.003	mg/l
Marine water	0.0003	mg/l
Intermittent water release	0.011	mg/l
Sewage treatment plant	3.5	mg/l
Sediment (fresh water)	0.034	mg/kg
Sediment (marine water)	0.003	mg/kg
Soil	1	mg/kg

**8.2 EXPOSURE CONTROLS****Engineering Measures:**

Ensure adequate ventilation, especially in confined areas.

**Respiratory Protection:**

For operations where inhalation exposure can occur use an approved respirator. Recommendations are listed below. Other protective respiratory equipment may be used based on user's own risk assessment.

Recommended:

Full Face Mask with organic vapor cartridge, Type A filter (BP >65°C)

**Eye protection:**

Tight sealing safety goggles.  
Face protection shield.

**Skin Protection:**

Antistatic footwear  
Wear fire/flame resistant/retardant clothing.  
Gloves made of plastic or rubber  
Wear suitable protective clothing.  
Apron

**Hand protection:**

Wear protective gloves. Recommendations are listed below. Other protective materials may be used based on user's own risk assessment. Barrier creams may help to protect the exposed areas of the skin, they should however not be

applied once exposure has occurred. Replace gloves immediately when torn or any change in appearance (dimension, color, flexibility etc.) is noticed.

The selected protective gloves have to satisfy the specifications of EU Regulation (EC) 2016/425 and standard EN ISO 374-1:2016.

Gloves for repeated or prolonged exposure - non exhaustive list:

Viton®/Butyl rubber, thickness: 0.7 mm, break through time: > 480 min

Gloves for short term exposure/splash protection - non exhaustive list:

Nitrile rubber (NBR), thickness: 0.38 mm, break through time: up to 120 min

The chemical resistance depends on the type of product and amount of product on the glove. Therefore gloves need to be changed when in contact with chemicals.

Not suitable gloves - non exhaustive list:

Natural rubber (NRL), thickness: 0.75 mm

Due to many conditions (e.g. temperature, abrasion) the practical usage of a chemical protective glove in practice may be much shorter than the permeation time determined through testing. Use PE gloves as under gloves for difficult situations like for instance: high exposure, unknown composition or unknown properties of the chemicals.

**Additional Advice:**

It is recommended that a shower be taken after completion of workshift especially if significant contact has occurred. Work clothing should then be laundered prior to reuse. Street clothing should be stored separately from work clothing and protective equipment. Work clothing and shoes should not be taken home. Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

<b>Formulation &amp; (re)packing of substances and mixtures</b>	
<b>Control of worker exposure</b>	
<b>Process Category</b>	PROC1 - Use in closed process, no likelihood of exposure PROC2 - Use in closed, continuous process with occasional controlled exposure (e.g. sampling)
<b>Risk Management Measures and Operational Conditions</b>	Covers percentage substance in the product up to 100 % (unless stated differently). Operation carried out for < 8 hours Avoid direct contact with the substance. Handle substance within a closed system. Clear spills immediately. Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training. Effectiveness: 90%. Use suitable eye protection.
<b>Process Category</b>	PROC3 - Use in closed batch process (synthesis or formulation)
<b>Risk Management Measures and Operational Conditions</b>	Covers percentage substance in the product up to 100 % (unless stated differently). Operation carried out for < 8 hours Avoid direct contact with the substance. Handle substance within a closed system. Clear spills immediately. Provide extract ventilation to points where emissions occur. Provide a good standard of general ventilation (not less than 3 to 5 air changes per hour) . Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training. Effectiveness: 90%. Use suitable eye protection.
<b>Process Category</b>	PROC4 - Use in batch and other process (synthesis) where opportunity for exposure arises PROC5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC14 - Production of preparations or articles by tableting, compression, extrusion, pelettisation
<b>Risk Management Measures and Operational Conditions</b>	Covers percentage substance in the product up to 100 % (unless stated differently). Operation carried out for < 8 hours Avoid direct contact with the substance. Clear spills immediately. Provide a good standard of controlled ventilation (10 to 15 air changes per hour). Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training. Effectiveness:

	90%. Use suitable eye protection.
<b>Process Category</b>	PROC8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities
<b>Risk Management Measures and Operational Conditions</b>	Covers percentage substance in the product up to 100 % (unless stated differently). Operation carried out for < 8 hours Avoid direct contact with the substance. Drain down and flush system prior to equipment break-in or maintenance. Clear spills immediately. Ensure material transfers are under containment or extract ventilation. Provide a good standard of controlled ventilation (10 to 15 air changes per hour). Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training. Effectiveness: 90%. Use suitable eye protection.
<b>Process Category</b>	PROC8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
<b>Risk Management Measures and Operational Conditions</b>	Covers percentage substance in the product up to 100 % (unless stated differently). Avoid carrying out operation for more than 1 hour. Avoid direct contact with the substance. Drain down and flush system prior to equipment break-in or maintenance. Clear spills immediately. Ensure material transfers are under containment or extract ventilation. Provide a good standard of controlled ventilation (10 to 15 air changes per hour). Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training. Effectiveness: 90%. Use suitable eye protection.
<b>Process Category</b>	PROC15 - Use as laboratory reagent
<b>Risk Management Measures and Operational Conditions</b>	Covers percentage substance in the product up to 100 % (unless stated differently). Operation carried out for < 8 hours Avoid direct contact with the substance. Clear spills immediately. Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training. Effectiveness: 90%. Use suitable eye protection.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	clear viscous liquid
<b>Colour:</b>	colourless
<b>Odor:</b>	characteristic
<b>Odor Threshold:</b>	See Section 8 for exposure limits.
<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	140 °C
<b>Flammability:</b>	Not available
<b>Flammable Limits (% By Vol):</b>	Not available
<b>Flash point:</b>	26 °C
<b>Autoignition temperature:</b>	> 460 °C
<b>Decomposition Temperature:</b>	Not available
<b>pH:</b>	Not available
<b>Viscosity (Kinematic):</b>	1837 mm <sup>2</sup> /s
<b>Viscosity (Dynamic):</b>	1800 - 3600 mPa.s @ 23 °C
<b>Solubility In Water:</b>	Insoluble
<b>Solubility In Solvent:</b>	Not available
<b>Partition coefficient</b>	Not available
<b>n-octanol/water (log value):</b>	
<b>Vapor Pressure:</b>	8 hPa, 20°C
<b>Specific Gravity/Density:</b>	0.98 g/cm <sup>3</sup>
<b>Vapour density:</b>	> 3
<b>Particle characteristics:</b>	Not applicable

## 9.2 OTHER INFORMATION

### 9.2.1 Information with regard to physical hazard classes

Not applicable

### 9.2.2 Other safety characteristics

Not applicable

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## SECTION 10: STABILITY AND REACTIVITY

**10.1 REACTIVITY** No information available

**10.2 CHEMICAL STABILITY** Stable

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

**Polymerization:** Will not occur

**Conditions To Avoid:** None known.

**10.4 CONDITIONS TO AVOID** Heat, flames and sparks.

**10.5 INCOMPATIBLE MATERIALS** Strong acids, Strong bases, Strong oxidizing agents

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS** None known

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN Regulation (EC) No 1272/2008

**Likely Routes of Exposure:** Skin, Eyes, Oral, Respiratory System.

**Acute toxicity - oral:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Acute toxicity - dermal:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Acute toxicity - inhalation:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Skin corrosion / irritation:** Causes skin irritation

**Serious eye damage / eye irritation:** Causes serious eye irritation

**Respiratory sensitization:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Skin sensitization:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Carcinogenicity:** Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

**Germ cell mutagenicity:** Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

**Reproductive toxicity:** Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

**Specific target organ toxicity (STOT) - single exposure:** May cause respiratory irritation.

**Specific target organ toxicity (STOT) - repeated exposure:** May cause damage to organs through prolonged or repeated exposure.

**Route of Exposure:** inhalation **Affected Organs:** Central nervous system, Liver, Kidneys

**Aspiration hazard:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

## PRODUCT TOXICITY INFORMATION

### ACUTE TOXICITY DATA

oral	rat	Acute LD50	> 2000	mg/kg
dermal	rabbit	Acute LD50	> 2000	mg/kg
inhalation	rat	Acute LC50	4 hr	> 20 mg/l (Vapors)

**Specific target organ toxicity (single exposure):** May cause respiratory irritation.

### LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation	Skin	Irritating to skin.
Acute Irritation	eye	Irritating to eyes.

### ALLERGIC SENSITIZATION

Sensitization	Skin	No data
Sensitization	respiratory	No data

### SUBACUTE/SUBCHRONIC TOXICITY

oral (gavage)	rat	No data
dermal	rat	No data

**Specific target organ toxicity (repeated exposure):** May cause damage to central nervous system, liver, kidneys and ears through prolonged or repeated exposure by inhalation. .

## GENOTOXICITY

### Assays for Gene Mutations

Ames Salmonella Assay No data

## OTHER INFORMATION

The product toxicity information above has been estimated.

## HAZARDOUS INGREDIENT TOXICITY DATA

Xylene has an acute oral LD50 (rat) of > 3523 mg/kg, acute dermal LD50 (rabbit) value of 4200 mg/kg, and an acute 4-hour LC50 (rat) of 29 mg/l (vapor). Inhalation of vapors may be irritating to the nose and throat. Inhalation of high concentrations may result in nausea, vomiting, headache, ringing in the ears, and severe breathing difficulties, which may be delayed in onset. High vapor concentrations are anesthetic and central nervous system depressants. Ingestion causes burning sensation in mouth and stomach, nausea vomiting and salivation. Minute amounts aspirated into the lungs can produce a severe hemorrhagic pneumonitis with severe pulmonary injury or death. Chronic inhalation can cause headache, loss of appetite, nervousness and pale skin. Skin contact results in moderate irritation and loss of natural oils. Repeated or prolonged skin contact may cause a skin rash. May be absorbed through the skin. Vapors cause eye irritation. Splashes cause severe irritation, possible corneal burns and eye damage. Repeated exposure of eyes to high concentrations of vapor may cause reversible eye damage. Chronic, repeated exposure may cause blood cell damage resulting in low blood cell count. May damage liver and kidneys. Xylene has been investigated for reproductive toxicity and may cause teratogenic effects.

Ethylbenzene has acute oral (rat) and dermal (rabbit) LD50 values of 3500 mg/kg and 15400 mg/kg respectively. The 4-hour inhalation LC50 in rats is 2180 ppm. It is a mild eye (rated 2 on a scale of 10) and a mild skin (rated 4 on a scale of 10) irritant. Prolonged exposure to the vapor of ethylbenzene may cause irritation of the eyes and upper respiratory tract, vertigo, motor ataxia, unconsciousness, and hematological disorders and hepatobiliary complaints. The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Developmental toxicity studies in rats indicate skeletal malformation and reduced foetal weight.

Butyl acrylate has acute oral (rat) and dermal (rabbit) LD50 values of 3150 mg/kg and 2000 mg/kg, respectively. The 4-hour inhalation (rat, vapor) LC50 value is 10.3 mg/l (1967 ppm). Direct contact can cause moderate skin and eye irritation. Vapors or aerosols can be irritating to the respiratory tract and damage to the respiratory tract may occur after repeated exposures. Butyl acrylate can cause allergic skin reactions (skin sensitization). This substance was not mutagenic or carcinogenic in multiple test systems. Animal studies with Butyl acrylate gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

## 11.2 INFORMATION ON OTHER HAZARDS

### Endocrine disrupting properties:

for more information see sections 2-Other hazards and 11-Hazardous ingredient toxicity data in this Safety Data Sheet.

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## SECTION 12: ECOLOGICAL INFORMATION

### TOXICITY, PERSISTENCE AND DEGRADABILITY, BIOACCUMULATIVE POTENTIAL, MOBILITY IN SOIL, OTHER ADVERSE EFFECTS

This material is not classified as dangerous for the environment.  
The ecological assessment for this material is based on an evaluation of its components.

#### 12.1 TOXICITY

Not available

#### 12.2 PERSISTENCE AND DEGRADABILITY

Not available

#### 12.3 BIOACCUMULATIVE POTENTIAL

Not available

#### 12.4 MOBILITY IN SOIL

Not available

#### 12.5 RESULTS OF PBT AND vPvB ASSESSMENT

Not determined

#### 12.6 ENDOCRINE DISRUPTING PROPERTIES

#### 12.7 OTHER ADVERSE EFFECTS

Not available

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**HAZARDOUS INGREDIENT TOXICITY DATA**

<b>Component / CAS No.</b>	<b>Toxicity to Fish</b>
Xylene (1330-20-7)	LC50 = 13.4 mg/L - Pimephales promelas (96h) LC50 2.661 - 4.093 mg/L - Oncorhynchus mykiss (96h) LC50 13.5 - 17.3 mg/L - Oncorhynchus mykiss (96h) LC50 13.1 - 16.5 mg/L - Lepomis macrochirus (96h) LC50 = 19 mg/L - Lepomis macrochirus (96h) LC50 7.711 - 9.591 mg/L - Lepomis macrochirus (96h) LC50 23.53 - 29.97 mg/L - Pimephales promelas (96h) LC50 = 780 mg/L - Cyprinus carpio (96h) LC50 > 780 mg/L - Cyprinus carpio (96h) LC50 30.26 - 40.75 mg/L - Poecilia reticulata (96h)
Ethylbenzene (100-41-4)	LC50 11.0 - 18.0 mg/L - Oncorhynchus mykiss (96h) LC50 = 4.2 mg/L - Oncorhynchus mykiss (96h) LC50 7.55 - 11 mg/L - Pimephales promelas (96h) LC50 = 32 mg/L - Lepomis macrochirus (96h) LC50 9.1 - 15.6 mg/L - Pimephales promelas (96h) LC50 = 9.6 mg/L - Poecilia reticulata (96h)
Butyl acrylate (141-32-2)	LC50 = 5.2 mg/L - Oncorhynchus mykiss (96hrs) NOEC = 3.8 mg/L - Oncorhynchus mykiss (96hrs)

<b>Component / CAS No.</b>	<b>Toxicity to Water Flea</b>
Xylene (1330-20-7)	EC50 = 3.82 mg/L - water flea (48h) LC50 = 0.6 mg/L - Gammarus lacustris (48h)
Ethylbenzene (100-41-4)	EC50 1.8 - 2.4 mg/L - Daphnia magna (48h)
Butyl acrylate (141-32-2)	EC50 = 8.2 mg/L - Daphnia magna (48hrs) NOEC = 2.4 mg/L - Daphnia magna (48hrs)

<b>Component / CAS No.</b>	<b>Toxicity to Algae</b>
Xylene (1330-20-7)	Not available
Ethylbenzene (100-41-4)	EC50 = 4.6 mg/L - Pseudokirchneriella subcapitata (72h) EC50 > 438 mg/L - Pseudokirchneriella subcapitata (96h) EC50 2.6 - 11.3 mg/L - Pseudokirchneriella subcapitata (72h)

	EC50 1.7 - 7.6 mg/L - Pseudokirchneriella subcapitata (96h)
Butyl acrylate (141-32-2)	EC50 = 5.2 mg/L - Pseudokirchnerella subcapitata(96hrs) NOEC < 3.8 mg/L - Pseudokirchnerella subcapitata (96hrs)

Component / CAS No.	Partition coefficient
Xylene (1330-20-7)	3.15
Ethylbenzene (100-41-4)	3.6
Butyl acrylate (141-32-2)	2.38

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

The company encourages the recycle and reuse of products and packaging, where possible and permitted.

#### Product disposal

When recycle or reuse is not possible, the company recommends that our products, especially when classified as hazardous, be disposed of by thermal treatment or incineration at approved facilities. All local and national regulations should be followed. For disposal within the European Community, waste codes according to Directive 2008/98/EC should be assigned by the user based on the application for which the product was used.

#### Packaging disposal

Handle contaminated packages in the same way as the product itself. Disposal of emptied and cleaned packaging must be made in accordance with applicable local and national regulations.

#### Disposal-relevant information

Do not release directly or indirectly to surface water, ground water, soil or public sewage system.

## SECTION 14: TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

### SUBSECTION 14.1 TO 14.5

#### ADR/RID/ADN

Dangerous Goods? X  
 UN Number: UN1866  
 UN PROPER SHIPPING NAME: RESIN SOLUTION, flammable  
 Transport Hazard Class: 3  
 Transport Label Required: Flammable liquid  
 Packing Group: III  
 Shipped under Exception: Carriage in accordance with 2.2.3.1.5.1  
 Tunnel restriction code: D/E  
 Comments: Not intended for shipment by inland waterways in tank vessels.

#### IMO

Dangerous Goods? X  
 UN Number: UN1866  
 UN PROPER SHIPPING NAME: RESIN SOLUTION  
 Transport Hazard Class: 3  
 Transport Label Required: Flammable liquid  
 Packing Group: III

**ICAO / IATA**

Dangerous Goods? X  
UN Number: UN1866  
UN PROPER SHIPPING NAME: RESIN SOLUTION  
Transport Hazard Class: 3  
Transport Label Required: Flammable liquid  
Packing Group: III

**14.6 SPECIAL PRECAUTIONS FOR USER**

No information available

**14.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS**

No information available

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**SECTION 15: REGULATORY INFORMATION****15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

**Ozone Depleting Substances (Regulation (EC) No 1005/2009):** Not applicable

**Persistent Organic Pollutants (Regulation (EU) No 2019/1021):** Not applicable

**Prior Informed Consent (Regulation (EC) No 689/2008):** Not applicable

**Substances subject to Authorization (Annex XIV of Regulation (EC) No 1907/2006):** Not applicable

**Substances subject to Restrictions for certain applications(Annex XVII of Regulation(EC)No 1907/2006):** Yes  
Refer to Annex XVII of REACH for details of the restricted applications.

Xylene (30-<35 %)

This substance is a flammable restricted for aerosols under item 40.

Ethylbenzene (5-<10 %)

This substance is a flammable restricted for aerosols under item 40.

**Water Endangering Class (Germany):** 2 according to AwSV, 18.04.2017

**Inventory Information**

**European Economic Area (including EU):** When purchased and shipped from an Allnex legal entity based in the EEA (EU or Norway), this product is compliant with the registration of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt and/or registered.

**United Kingdom:** When purchased from allnex UK this product is compliant with the UK-REACH Regulation as all its components are either notified, excluded, exempt and/or registered. If the material has been purchased by your legal entity based in GB from an allnex legal entity based in the EEA (EU or Norway) in 2019 or 2020, you can continue to import the material into GB as it is covered by allnex DUIN.

**United States (USA):** All components of this product are designated as "Active" on the TSCA Inventory or are not required to be listed.

**Canada:** All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL.

**Australia:** All components of this product are included in the Australian Inventory of Industrial Chemicals (AIIC) or are not required to be listed on AIIC.

**New Zealand:** This product is approved or exempt under the Hazardous Substances and New Organisms (HSNO) Act.

**China:** All components of this product are included on the Chinese inventory or are not required to be listed on the

Chinese inventory.

**Japan:** One or more components of this product are NOT included on the Japanese (ENCS and/or ISHL) inventories.

**Korea:** One or more components of this product are NOT included on the Korean (ECL) inventory.

**Philippines:** One or more components of this product are NOT included on the Philippine (PICCS) inventory.

**Taiwan:** All components of this product are included in the Taiwan chemical substance inventory or are not required to be listed on the Taiwan chemical substance inventory (TCSI).

## 15.2 CHEMICAL SAFETY ASSESSMENT

No Chemical Safety Assessment has been carried out.

## SECTION 16: OTHER INFORMATION

**Reasons for Issue:** Revised Section 1

**Date Prepared:** 06-Aug-2024

**Date of last significant revision:** 03-Dec-2022

Classification methods include one or more of the following: use of specific product data, read-across data, modeling, professional judgment or a component based evaluation.

### Component - Hazard Statements

#### Xylene

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

H335 - May cause respiratory irritation.

H373 - May cause damage to organs through prolonged or repeated exposure.

#### Ethylbenzene

H225 - Highly flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H332 - Harmful if inhaled.

H373 - May cause damage to organs through prolonged or repeated exposure.

H412 - Harmful to aquatic life with long lasting effects.

#### Butyl acrylate

H226 - Flammable liquid and vapour.

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.

H412 - Harmful to aquatic life with long lasting effects.

Uses covered for this mixture under REACH Consolidated from the exposure scenarios of the substances present in this mixture						
No.	Short Title	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Risk Management Measures/Operational Conditions (RMM/OC)

1.	Formulation & (re)packing of substances and mixtures	SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites		PROC1 PROC2 PROC3 PROC4 PROC5 PROC8a PROC8b PROC9 PROC14 PROC15	ERC2	Included in Section 8 of this SDS
2.	Industrial application of coatings and inks	SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites		PROC1 PROC2 PROC3 PROC4 PROC5 PROC7 PROC8a PROC8b PROC10 PROC13 PROC14 PROC15	ERC4	Available on request*
3.	Professional application of coatings and inks	SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)		PROC1 PROC2 PROC3 PROC4 PROC5 PROC8a PROC8b PROC10 PROC11 PROC13 PROC15 PROC19	ERC8a ERC8d	Available on request*

\* Contact ALLNEX (PSRA-customer-requests@allnex.com) for detailed Exposure Scenario information on the substances present in this mixture.

### Emergency phone numbers for other regions

#### Asia Pacific

Australia: +61 1800 022 037 (Allnex Australia)

China (PRC): +86 532 8388 9090 (NRCC)

India: 000 800 100 7479 (toll free) or +65 3158 1198 (Carechem 24)

Indonesia: 007 803 011 0293 (Carechem 24)

Japan: 0120 015 230 (toll free) (Carechem24)

Korea: +82 2 3479 8401 (Carechem 24)

Malaysia: +60 3 6207 4347 (Carechem 24)

New Zealand: +64 0800 803 002 (Allnex New Zealand)

Philippines: +63 2 231 2149 (Carechem 24)

Taiwan: +886 2 8793 3212 (Carechem 24)

Vietnam: +84 8 4458 2388 (Carechem 24)

All Others: +65 3158 1074 (Carechem 24)

#### Latin America

Brazil: +55-800-707-7022 (toll free) or +55-11-98149-0850 (Suatrans 24)

Chile: +56 2 2582 9336 (Carechem 24)

Mexico and all others: +52-555-004-8763 (Carechem 24)

#### Canada and USA

+1-866-928-0789 (toll free) or +1-215-207-0061 (Carechem 24 - Allnex29003-NCEC)

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Prepared By: Product Sustainability & Regulatory Affairs Department, <http://www.allnex.com/contact>

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