



## SAFETY DATA SHEET

Safety Data Sheet conforms to Safe Work Australia and Work Health and Safety (WHS) Regulations

SDS: 0071008  
Date Prepared: 08-Jan-2020

Version: 2  
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### 1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** Styrene Monomer  
**Other means of identification:** None  
**Product Description:** Monomer  
**Intended/Recommended Use:** Recommended for Industrial and/or Professional use only  
**Uses advised against:** Not available

#### Allnex Composites

A division of Allnex Resins Australia Pty. Ltd.  
49 - 61 Stephen Road, Botany, NSW 2019, Australia

**For Product and all Non-Emergency Information call** +61 (02) 9666 0331 (business hours only) or contact us at <http://www.allnex.com/contact>

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

+61 1800 022 037 (Allnex Australia)  
See Section 16 for Emergency phone numbers for other regions.

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### 2. HAZARDS IDENTIFICATION

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Additional GHS classification or other information may be included in this section but has not been adopted by Work Health and Safety (WHS) Regulations.

#### GHS Classification

Flammable Liquids Hazard Category 3  
Acute Toxicity (Inhalation) Hazard Category 4  
Toxic To Reproduction Hazard Category 2  
Target Organ Systemic Toxicant (TOST) - Repeated Exposure Hazard Category 1  
Target Organ Systemic Toxicant (TOST) - Single Exposure Hazard Category 3  
Skin Corrosion / Irritation Hazard Category 2  
Serious Eye Damage / Eye Irritation Hazard Category 2A  
Aspiration Hazard Category 1  
Aquatic Environment Acute Hazard Category 2  
Aquatic Environment Chronic Hazard Category 3

#### LABEL ELEMENTS

**Name of Pictogram(s)**

Flame  
Health hazard  
Exclamation mark

**Signal Word**

DANGER

**Hazard Statements**

Flammable liquid and vapour  
Suspected of damaging fertility or the unborn child  
Harmful if inhaled  
Causes damage to organs through prolonged or repeated exposure  
May cause respiratory irritation  
Causes skin irritation  
Causes serious eye irritation  
May be fatal if swallowed and enters airways  
Toxic to aquatic life  
Harmful to aquatic life with long lasting effects

**Precautionary Statements****Prevention**

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. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Avoid release to the environment. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors or spray mist.

**Response**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Specific treatment - refer to supplemental first aid instructions. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting. Get medical attention/advice if you feel unwell. IF exposed or concerned: Get medical advice/attention. In case of fire, use the following media for extinction: water spray or fog, alcohol foam, Carbon dioxide, dry chemical.

**Storage**

Store in well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

**Disposal**

Dispose of contents/container in accordance with local and national regulations.

**OTHER HAZARDS**

Polymerisation may occur from excessive heat, contamination or exposure to direct sunlight.

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### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Substance, Mixture or Article? Substance

Component / CAS No.	%	GHS Classification
Styrene 100-42-5	100	Flam. Liq. 3 (H226) Repr. 2 (H361d) Acute Tox. 4 (H332) STOT RE 1 (H372) STOT Single 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Asp. Tox. 1 (H304) Aquatic Acute 2 (H401) Aquatic Chronic 3 (H412)

Additional GHS classification or other information may be included in this section but has not been adopted by Work Health and Safety (WHS) Regulations.

See Section 16 for full text of H phrases.

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### 4. FIRST-AID MEASURES

#### Emergency telephone number

Poisons Information Centre, Australia: 13 11 26

#### Symptoms and Signs of Poisoning:

Coughing and/ or wheezing. Burning sensation. Difficulty in breathing. Dizziness.

#### Eye Contact:

Material not expected to be harmful by eye contact. In case of eye contact, flush eyes with plenty of water. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area.

#### Skin Contact:

Remove contaminated clothing and shoes without delay. Wash immediately with plenty of water and soap. In the case of skin irritation or allergic reactions see a doctor. Wash contaminated clothing before reuse. Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

#### Ingestion:

Material is not expected to be harmful by ingestion. No specific first aid measures are required. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Call a doctor.

#### Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms. Keep patient warm and at rest. If unconscious, place in recovery position and seek medical advice. Aspiration into lungs can produce severe lung damage.

#### Notes To Physician:

Because of the danger of aspiration, emesis or gastric lavage should not be used unless the risk is justified by the presence of additional toxic substances.

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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:**

Use water spray, alcohol foam, carbon dioxide or dry chemical to extinguish fires. Water stream may be ineffective.

**Unsuitable Extinguishing Media:**

full water jet.

**Protective Equipment:**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Wear full firefighting protective clothing. See SDS Section 8 (Exposure Controls/Personal Protection).

**Special Hazards:**

Flammable. May be ignited by heat, sparks or flames. 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. Keep product and empty container away from heat and sources of ignition. Exposure to heat and moisture can cause decomposition to flammable and explosive vapor of carbon disulfide.

**HAZCHEM Code:** 3Y

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment as required. Ensure adequate ventilation. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Take action to prevent static discharge. Keep people away from and upwind of spill/leak. All equipment used when handling the product must be grounded. Ventilate the area. Where exposure level is not known, wear approved, positive pressure, self-contained respirator. Where exposure level is known, wear approved respirator suitable for level of exposure. In addition to the protective clothing/equipment in Section 8 (Exposure Controls/Personal Protection), wear impermeable boots.

**Methods For Containment:**

Keep out of drains, sewers, ditches and waterways. Do not touch or walk through spilled material. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. A vapor suppressing foam may be used to reduce vapors. Stop leak if safe to do so. Dyke far ahead of spill to collect run-off water. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods For Cleaning Up:**

Remove sources of ignition. All equipment used when handling the product must be grounded. Stop leak if possible if it can be done without risk. Prevent entry into waterways, sewers, basements or confined areas. Dam up. Cover spills with some inert absorbent material; sweep up and place in a waste disposal container. Flush spill area with water.

**Environmental Precautions:**

Avoid release to the environment.

**References to other sections:**

See Sections 7, 8 and 13 for additional information.

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## 7. HANDLING AND STORAGE

**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. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Avoid release to the environment. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors or spray mist.

**Special Handling Statements:** Remove contaminated clothing and shoes without delay. Avoid contact with skin, eyes or clothing. 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. Keep in an area equipped with sprinklers. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use personal protection equipment. Ensure adequate ventilation. Use according to package label instructions. Use spark-proof tools and explosion-proof equipment. Do not eat, drink or smoke when using this product. Avoid excessive heat, contamination or exposure to direct sunlight to prevent polymerization. Containers must be bonded and grounded when pouring or transferring material.

### Storage

Avoid temperatures above 40°C (104°F). Keep container tightly closed and dry in a cool, well-ventilated place. Do not store near combustible materials. Store locked up. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in an area equipped with sprinklers. Vapours may form explosive mixtures with air. Hazardous polymerisation may take place during a fire due to heat. Closed containers could violently rupture. Store in accordance with the particular national regulations. Keep in properly labelled containers.

**Storage Temperature:** Store at < 40 °C

**Reason:** Safety.

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**Australian AS 1940 Storage Classification:** Flammable liquid

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### CONTROL PARAMETERS - Limits

#### Styrene 100-42-5

Australia:	50 ppm (TWA) 213 mg/m <sup>3</sup> (TWA) 100 ppm (STEL) 426 mg/m <sup>3</sup> (STEL)
New Zealand:	20 ppm (TWA) 85 mg/m <sup>3</sup> (TWA) 40 ppm (STEL) 170 mg/m <sup>3</sup> (STEL)
ACGIH (TLV):	40 ppm (STEL) 20 ppm (TWA)

### Biological Exposure Limit(s)

#### Styrene 100-42-5

Biological Exposure Indices (ACGIH)	400 mg/g creatinine (urine - end of shift) 40 µg/L (urine - end of shift)
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### Engineering Measures:

Ensure adequate ventilation, especially in confined areas.

### Respiratory Protection:

Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure. 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.

Where respiratory protection is required, use a respirator selected and in accordance with AS/NZS 1715 and AS/NZS 1716.

Recommended:

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

**Eye protection:**

Wear eye/face protection such as chemical splash proof goggles or face shield. Eyewash equipment and safety shower should be provided in areas of potential exposure.

**Skin Protection:**

Wear impermeable gloves and suitable protective clothing. Avoid skin contact. Wear protective Neoprene™ gloves. Wear rubber gloves.

**Hand protection:**

Wear impermeable gloves. Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility etc) is noticed. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

**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. Wear suitable gloves and eye/face protection. Wash hands before breaks and after work. Regular cleaning of equipment, work area and clothing is recommended. Contaminated work clothing should not be allowed out of the workplace. 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>Colour:</b>	colorless to yellow
<b>Appearance:</b>	clear liquid
<b>Odor:</b>	characteristic sweet aromatic
<b>Odor Threshold:</b>	See Section 8 for exposure limits.
<b>pH:</b>	Not available
<b>Melting Point:</b>	-31 °C
<b>Boiling Point:</b>	145 °C
<b>Flash point:</b>	31 °C @ 1.013 hPa
<b>Evaporation Rate:</b>	Not available
<b>Flammable Limits (% By Vol):</b>	Lower: 0.9 Upper: 6.8
<b>Vapor Pressure:</b>	6.67 hPa @ 20 °C Derived from solvent
<b>Vapour density:</b>	3.6 (air = 1)
<b>Specific Gravity/Density:</b>	0.91 g/cm <sup>3</sup> @ 20 °C
<b>Solubility In Water:</b>	0.32 g/L @ 25 °C
<b>Partition coefficient (n-octanol/water):</b>	2.96 @ 25 °C (Log Pow)
<b>Autoignition temperature:</b>	490 °C
<b>Decomposition Temperature:</b>	Not available
<b>Viscosity (Kinematic):</b>	0.77 mm <sup>2</sup> /s @ @ 25 °C
<b>Viscosity (Dynamic):</b>	0.696 mPa.s @ 25 °C
<b>Explosive Properties:</b>	Not an explosive
<b>Oxidizing Properties:</b>	Not Oxidising

## OTHER INFORMATION

<b>Fat Solubility (Solvent-Oil):</b>	Not available
<b>Percent Volatile (% by wt.):</b>	Not available
<b>Solids Content:</b>	Not available
<b>Saturation In Air (% By Vol.):</b>	Not available
<b>Acid Number (mg KOH/g):</b>	Not available
<b>Hydroxyl Value (mg KOH/g):</b>	Not available
<b>Volatile Organic Content (1999/13/EC):</b>	Not available

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## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No information available
<b>Stability:</b>	Stable.
<b>Conditions To Avoid:</b>	Heat, flames and sparks.
<b>Polymerization:</b>	May occur
<b>Conditions To Avoid:</b>	HAZARDOUS POLYMERISATION MAY OCCUR UPON DEPLETION OF INHIBITOR
<b>Materials To Avoid:</b>	Strong acids Strong bases Peroxides, metallic compounds, strong oxidizing agents. Copper, brass and other copper alloys, precious metals
<b>Hazardous Decomposition Products:</b>	Carbon dioxide Carbon monoxide toxic gases/vapors acid vapors and fumes

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## 11. TOXICOLOGICAL INFORMATION

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

### HEALTH HAZARD INFORMATION

**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:** Harmful if inhaled

**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:** Suspected of damaging fertility or the unborn child

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

**Specific target organ toxicity (repeated exposure):** Causes damage to organs through prolonged or repeated exposure.

**Route of Exposure:** inhalation **Affected Organs:** Ears

**Aspiration hazard:** May be fatal if swallowed and enters airways

## 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	11.8 mg/l (Vapors)

### LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation	Skin	Irritating
Acute Irritation	eye	Irritating

### ALLERGIC SENSITIZATION

Sensitization	Skin	No data
Sensitization	respiratory	No data

**Specific target organ toxicity (repeated exposure):** Causes damage to ears through prolonged or repeated exposure by inhalation.

### GENOTOXICITY

#### Assays for Gene Mutations

Ames Salmonella Assay No data

Contains a known or suspected reproductive toxin

Avoid repeated exposure. Contains a known or suspected reproductive toxin. May cause adverse liver effects.

### OTHER INFORMATION

The product toxicity information above has been estimated.

## HAZARDOUS INGREDIENT TOXICITY DATA

Styrene has acute oral LD50 (rat) and acute dermal LD50 (rat, rabbit) values of >5000 and >2000 mg/kg, respectively. The inhalation LC50 (rat) has been reported as 11.8 mg/L (vapor) following a 4-hour exposure. Acute overexposure to styrene vapor may cause moderate eye and nasal irritation as well as drowsiness, headache and central nervous system depression. Styrene is a moderate skin irritant. No allergic reactions were observed in animal studies. In animal studies, styrene induced micronuclei, sister chromatid exchanges and DNA strand breaks. In vitro tests showed styrene to cause sex-linked recessive lethal mutations in *Drosophila* (fruit flies). Styrene has been shown to cause lung tumors in mice. Epidemiological studies of styrene exposure in humans are not conclusive due to the inadequate control of variables. Causes damage to ears through prolonged or repeated exposure by inhalation. Ingestion of styrene can initiate an aspiration hazard. The International Agency for Research on Cancer (IARC) lists styrene as an IARC 2B carcinogen (possibly carcinogenic to humans). Animal studies have shown some adverse developmental effects.

Component / CAS No.	Stage One Chemicals
Styrene 100-42-5	Tier II Final (Human Health); Remaining Priority (Environment)



NICNAS holds data; Concern has been raised overseas
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## 12. ECOLOGICAL INFORMATION

**Overall Environmental Toxicity:** Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

### ECOTOXICITY

Not available

### ALGAE TEST RESULTS

**Test:** Acute Algae Toxicity

**Duration:** 72 hr

**Species:** Pseudokirchneriella subcapitata

4.9 mg/l EC50

### FISH TEST RESULTS

**Test:** Acute toxicity, freshwater fish

**Duration:** 96 hr.

**Species:** Fathead Minnow (*Pimephales promelas*)

4.02 mg/l LC50

### INVERTEBRATE TEST RESULTS

**Test:** Acute Invertebrate Toxicity, fresh water

**Duration:** 48 hr

**Species:** Water Flea (*Daphnia magna*)

4.7 mg/l EC50

### BIOACCUMULATIVE POTENTIAL

Not available

### PERSISTENCE AND DEGRADABILITY

Not available

### MOBILITY IN SOIL

Not available

### OTHER ADVERSE EFFECTS

### HAZARD TO THE OZONE LAYER

Not available

**HAZARDOUS INGREDIENT TOXICITY DATA**

Component / CAS No.	Toxicity to Fish
Styrene (100-42-5)	LC50 = 3.24 - 4.99 mg/L - Pimephales promelas (96h)

Component / CAS No.	Toxicity to Water Flea
Styrene (100-42-5)	EC50 = 4.7 mg/L - Daphnia magna (48h) NOEC = 1.01 mg/L - Daphnia magna (21d) LC50 = 9.5 mg/L - Hyalella azteca (96h)

Component / CAS No.	Toxicity to Algae
Styrene (100-42-5)	EC50 = 6.3 mg/L - Pseudokirchneriella subcapitata (96h)

Component / CAS No.	Partition coefficient
Styrene (100-42-5)	2.95

**13. DISPOSAL CONSIDERATIONS****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 at approved facilities. All local and national regulations should be followed.

**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.

**14. TRANSPORT INFORMATION**

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

**Australia (ADG)**

Dangerous Goods? X

PROPER SHIPPING NAME: STYRENE MONOMER, STABILIZED

Hazard Class: 3

UN Number: UN2055

Packing Group: III

Transport Label Required: Flammable liquid

HAZCHEM Code: 3Y

**IMO**

Dangerous Goods? X  
UN PROPER SHIPPING NAME: STYRENE MONOMER, STABILIZED  
Transport Hazard Class: 3  
UN Number: UN2055  
Packing Group: III  
Transport Label Required: Flammable liquid

#### ICAO / IATA

Dangerous Goods? X  
UN PROPER SHIPPING NAME: STYRENE MONOMER, STABILIZED  
Transport Hazard Class: 3  
Packing Group: III  
UN Number: UN2055  
Transport Label Required: Flammable liquid

#### SPECIAL PRECAUTIONS FOR USER

Storage and transports between +5 and +25°C. Protect from freezing and protect against external heat sources above +45°C. Protect from direct sunlight.

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## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations specific for the product in question

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

**Persistent Organic Pollutants (Regulation (EC) No 850/2004):** Not applicable

### Inventory Information

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

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

**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 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.

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

**Korea:** All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean inventory. When purchased from Allnex Korea or Chemart distributor this product is compliant with the ARECs (the Act on the Registration and Evaluation, etc. of Chemical Substances). All its components are either excluded, exempt, pre-notified and/or registered. When purchased from another allnex entity, please contact

PSRA-KREACH@allnex.com to check the possibility to be covered by our Only Representative.

**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).

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## 16. OTHER INFORMATION

**Reasons for Issue:** New Format

**Date Prepared:** 08-Jan-2020

**Date of last significant revision:** 08-Jan-2020

### References

Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice

Globally Harmonised System of classification and labelling of chemicals (GHS)

Workplace Exposure Standards for Airborne Contaminants, Safe Work Australia

American Conference of Industrial Hygienists (ACGIH)

Australian Code for the Transport of Dangerous Goods by Road & Rail

Regulation (EC) No 1005/2009 of the European Parliament and of the Council on substances that deplete the ozone layer

Regulation (EC) No 850/2004 and amendments of the European Parliament and of the Council on persistent organic pollutants

### Styrene

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 through prolonged or repeated exposure.

H401 - Toxic to aquatic life.

H412 - Harmful to aquatic life with long lasting effects.

### Emergency phone numbers for other regions

#### Asia Pacific

China (PRC): +86(0)25 8547 7110 (Jiangsu registration center) / +86(0)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: +81 345 789 341 (Carechem 24)

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)

#### Europe

+44 (0) 1235 239 670 (Carechem 24)

#### Middle East, Africa

+44 (0) 1235 239 671 (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 Stewardship & Regulatory Affairs Department, <http://www.allnex.com/contact>  
Australian Contact Point: +61 2 8280 7355

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