

## SAFETY DATA SHEET

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

SDS: 0062834  
Date Prepared: 03-Jan-2023

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

**Product Name:** PVA PLASTRENE NO.5 BLUE  
**Other means of identification:** None  
**Product Description:** Polymer solution  
**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.

### 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 2  
Skin Corrosion / Irritation Hazard Category 3  
Serious Eye Damage / Eye Irritation Hazard Category 2A

#### LABEL ELEMENTS



#### Name of Pictogram(s)

Flame  
Exclamation mark

**Signal Word**

DANGER

**Hazard Statements**

Highly flammable liquid and vapour

Causes mild skin irritation

Causes serious eye irritation

**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. Wash hands thoroughly after handling.

**Response**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. 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.

**Storage**

Store in well-ventilated place. Keep cool.

**Disposal**

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

**OTHER HAZARDS**

Not applicable

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**3. COMPOSITION AND INFORMATION ON INGREDIENTS****Substance or Mixture?:** Mixture

Component / CAS No.	%	GHS Classification
Ethanol 64-17-5	40 - 50	Flam. Liq. 2 (H225) Skin Irrit. 3 (H316) Eye Irrit. 2A (H319)
Methyl Isobutyl ketone 108-10-1	< 0.2	Flam. Liq. 2 (H225) Carc. 2 (H351) Acute Tox. 4 (H332) STOT SE 3 (H336) Eye Irrit. 2A (H319)

Other non-hazardous ingredients to 100%

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:**

No information available.

**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.

**Skin Contact:**

Wash immediately with plenty of water and soap. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Ingestion:**

Clean mouth with water and drink afterwards plenty of water. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Do NOT induce vomiting.

**Inhalation:**

Remove to fresh air. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media:**

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

**Unsuitable Extinguishing Media:**

full water jet.

**Protective Equipment:**

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

**Special Hazards:**

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.

**HAZCHEM Code:** •3YE

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions:**

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.

**Methods For Containment:**

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.

**Methods For Cleaning Up:**

Take action to prevent static discharge. Dam up. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal.

**Environmental Precautions:**

None known.

**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. Wash hands thoroughly after handling.

**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. Containers must be bonded and grounded when pouring or transferring material.

### Storage

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.

**Storage Temperature:** Store at < 35 °C

**Reason:** Higher storage temperature reduces shelf life and also increases risk of hazardous polymerization.

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

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### CONTROL PARAMETERS - Limits

#### Ethanol 64-17-5

Australia:	1000 ppm (TWA)
	1880 mg/m <sup>3</sup> (TWA)
New Zealand:	1000 ppm (TWA)
	1880 mg/m <sup>3</sup> (TWA)
ACGIH (TLV):	1000 ppm (STEL)

#### Methyl Isobutyl ketone 108-10-1

Australia:	50 ppm (TWA)
	205 mg/m <sup>3</sup> (TWA)
	75 ppm (STEL)
	307 mg/m <sup>3</sup> (STEL)
New Zealand:	50 ppm (TWA)
	205 mg/m <sup>3</sup> (TWA)
	75 ppm (STEL)
	307 mg/m <sup>3</sup> (STEL)
ACGIH (TLV):	75 ppm (STEL)
	20 ppm (TWA)

### Biological Exposure Limit(s)

**Methyl Isobutyl ketone 108-10-1**

Biological Exposure Indices 1 mg/L (urine - end of shift)  
(ACGIH)

**Engineering Measures:**

Ensure adequate ventilation, especially in confined areas.

**Respiratory Protection:**

Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure. Where exposures are below the established exposure limit, no respiratory protection is required. Where respiratory protection is required, use a respirator selected and in accordance with AS/NZS 1715 and AS/NZS 1716.

**Eye protection:**

Tight sealing safety goggles.

**Skin Protection:**

Antistatic footwear. Wear fire/flammable resistant/retardant clothing. Gloves made of plastic or rubber.

**Hand protection:**

Wear protective gloves. 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, colour, flexibility etc) is noticed.

**Additional Advice:**

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product. Wash hands before breaks and after work.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	clear hazy liquid
<b>Colour:</b>	clear to blue
<b>Odor:</b>	characteristic
<b>Odor Threshold:</b>	See Section 8 for exposure limits.
<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	78 °C
<b>Flammability:</b>	Not available
<b>Flammable Limits (% By Vol):</b>	Lower: 3.5 Upper: 19
<b>Flash point:</b>	13 °C closed cup
<b>Autoignition temperature:</b>	391 °C
<b>Decomposition Temperature:</b>	Not available
<b>pH:</b>	Not available
<b>Viscosity (Kinematic):</b>	Not applicable
<b>Viscosity (Dynamic):</b>	No information available
<b>Solubility In Water:</b>	soluble in water
<b>Solubility In Solvent:</b>	Not available
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>Vapor Pressure:</b>	58 hPa, 20°C
<b>Specific Gravity/Density:</b>	0.91 g/cm <sup>3</sup>
<b>Vapour density:</b>	1.59 @ 15 °C
<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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## 10. STABILITY AND REACTIVITY

**Reactivity:** No information available

**Stability:** Stable.

**Conditions To Avoid:** Heat, flames and sparks.

**Polymerization:** Will not occur

**Conditions To Avoid:** None known

**Materials To Avoid:** None known

**Hazardous Decomposition Products:** None known

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## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Skin, Eyes, 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:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Skin corrosion / irritation:** Causes mild 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 (single exposure):** Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

**Specific target organ toxicity (repeated exposure):** Not Classified. - Based on available data and/or

professional judgment, the classification criteria are not met.

**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	> 5 mg/l (Dust/Mist)

### LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation	dermal	mild
Acute Irritation	eye	Irritating

### ALLERGIC SENSITIZATION

Sensitization	Skin	No data
Sensitization	respiratory	No data

### GENOTOXICITY

#### Assays for Gene Mutations

Ames Salmonella Assay No data

### OTHER INFORMATION

The product toxicity information above has been estimated.

## HAZARDOUS INGREDIENT TOXICITY DATA

Ethanol has acute oral (rat) and dermal (rabbit) LD50 values of 10470 mg/kg and > 20,000 mg/kg, respectively. The 4-hour inhalation LC50 for ethanol in rats is 117-125 mg/l. Inhalation overexposure may cause respiratory tract irritation. Ethanol is a potent teratogen associated with abnormal fetal formation, growth retardation, neurological damage, and behavioral alterations in children with fetal alcohol syndrome. Chronic ingestion of ethanol may cause damage to the liver, heart and gastrointestinal tract. In a dominant lethal assay, male mice treated with ethanol over a three day period showed significant decrease in average litter size along with increased incidence of dead implants. Ethanol is reported to have shown positive results in in vivo and in vitro screening tests for mutagenicity. Direct contact with ethanol may cause moderate eye irritation and mild skin irritation. Ethanol may cause central nervous system depression that causes stupor, coma and eventually death if ingested in excessive quantities. The literature shows that due to synergistic and potentiating effects, the toxicity of ethanol may be enhanced by exposure to halogenated hydrocarbons and Manganese.

Methyl isobutyl ketone has oral (rat) and dermal (rat) LD50 values of > 2000 mg/kg. The 4hrs inhalation LC50 value was calculated at 11 mg/L. Overexposure to MIBK vapor may cause slight respiratory tract irritation, headache, dizziness, nausea or other CNS effects. Moderate eye irritation may result from contact with the liquid. Repeated skin contact may cause skin dryness or cracking. Allergic reactions upon dermal exposure are not expected. Genotoxicity was not observed in the available studies. Based on partial data, is not expected. Kidney tumours were observed in a 2-year bioassay. Adverse effects on reproductive performance, or developmental toxicity are not expected.

### Inventory Multi-tiered Assessment and Prioritization (IMAP)

This product contains one or more Stage One Chemical(s).

Component / CAS No.	Stage One Chemicals
Ethanol 64-17-5	Tier II Final (Human Health); Tier I Final (Environment) NICNAS holds data; Concern has been raised overseas

Methyl Isobutyl ketone 108-10-1	Tier II_III Final (Human Health);Tier I Final (Environment) NICNAS holds data;Concern has been raised overseas
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## 12. ECOLOGICAL INFORMATION

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

### ECOTOXICITY

Not available

### 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
Ethanol (64-17-5)	LC50 12.0 - 16.0 mL/L - Oncorhynchus mykiss (96h)  LC50 > 100 mg/L - Pimephales promelas (96h)  LC50 13400 - 15100 mg/L - Pimephales promelas (96h)
Methyl Isobutyl ketone (108-10-1)	LC50 = 179 mg/L - Danio rerio (96h)

Component / CAS No.	Toxicity to Water Flea
Ethanol (64-17-5)	LC50 9268 - 14221 mg/L - Daphnia magna (48h)  EC50 = 2 mg/L - Daphnia magna (48h)
Methyl Isobutyl ketone (108-10-1)	EC50 > 200 mg/L - Daphnia magna (48h) NOEC = 30 mg/L - Daphnia magna (21d)

Component / CAS No.	Toxicity to Algae
Ethanol (64-17-5)	Not available



Methyl Isobutyl ketone (108-10-1)	EC50 > 146 mg/L - Lemna gibba (7d) NOEC = 146 mg/L - Lemna gibba (7d)
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Component / CAS No.	Partition coefficient
Ethanol (64-17-5)	-0.35
Methyl Isobutyl ketone (108-10-1)	1.9

## 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: RESIN SOLUTION  
 Hazard Class: 3  
 UN Number: UN1866  
 Packing Group: II  
 Transport Label Required: Flammable liquid  
 HAZCHEM Code: •3YE  
 IERG: 14

### IMO

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

### ICAO / IATA

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

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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

**Poison Schedule Number:** Not scheduled

### Inventory Information

**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.

**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.

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

**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.

**Philippines:** All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine 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).

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## 16. OTHER INFORMATION

**Reasons for Issue:**

- Revised Section 3
- Revised Section 9
- Revised Section 11
- Revised Section 12
- Revised Section 15

**Date Prepared:** 03-Jan-2023

**Date of last significant revision:** 06-Mar-2022

### References

Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice  
Australian Code for the Transport of Dangerous Goods by Road & Rail  
American Conference of Industrial Hygienists (ACGIH)  
Globally Harmonised System of classification and labelling of chemicals (GHS)  
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  
Workplace Exposure Standards for Airborne Contaminants, Safe Work Australia

### Component - Hazard Statements

Ethanol

H225 - Highly flammable liquid and vapour.  
H316 - Causes mild skin irritation.  
H319 - Causes serious eye irritation.

Methyl Isobutyl ketone

H225 - Highly flammable liquid and vapour.  
H351 - Suspected of causing cancer.  
H332 - Harmful if inhaled.  
H336 - May cause drowsiness or dizziness.  
H319 - Causes serious eye irritation.

### Emergency phone numbers for other regions

#### Asia Pacific

China (PRC): +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: 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)

#### 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 Sustainability & Regulatory Affairs Department, <http://www.allnex.com/contact>  
Australian Contact Point: +61 2 8280 7355

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