

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: B-CEA
Synonyms: beta-carboxyethyl Acrylate, acrylic acid dimer
Product Description: β -carboxyethylacrylate
Molecular Weight:
Intended/Recommended Use: Radiation curable coating ingredient

Allnex USA Inc., 9005 Westside Parkway, Alpharetta, Georgia 30009, USA

For Product and all Non-Emergency Information call your local Allnex contact point or contact us at <http://www.allnex.com/contact>

EMERGENCY PHONE (24 hours/day) - For emergency only involving spill, leak, fire, exposure or accident call:
+1-866-928-0789 (toll free) or +1-215-207-0061 (Carechem 24 - Allnex29003-NCEC)
See Section 16 for Emergency phone numbers for other regions.

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable Liquids Hazard Category 4
Acute Toxicity (Oral) Hazard Category 4
Specific Target Organ Toxicity - Single Exposure Hazard Category 3
Skin Corrosion / Irritation Hazard Category 1A
Serious Eye Damage / Eye Irritation Hazard Category 1
Aquatic Environment Acute Hazard Category 2
Aquatic Environment Chronic Hazard Category 3

LABEL ELEMENTS



Signal Word

DANGER

Hazard Statements

Combustible liquid
Harmful if swallowed
May cause drowsiness or dizziness
May cause respiratory irritation
Causes severe skin burns and eye damage
Toxic to aquatic life
Harmful to aquatic life with long lasting effects

Precautionary Statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Wash face, hands and any exposed skin thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Do not breathe dust/fume/gas/mist/vapours/spray.
 Avoid release to the environment.
 In case of fire: Use CO2, dry chemical, or foam to extinguish.
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 Wash contaminated clothing before reuse.
 Immediately call a POISON CENTER or doctor/physician.
 Specific treatment (see supplemental first aid instructions on this label).
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 Store in a well-ventilated place. Keep cool.
 Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.
 Dispose of contents/container in accordance with local and national regulations.

Hazards Not Otherwise Classified (HNOC), Other Hazards

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

3. COMPOSITION/INFORMATION ON INGREDIENTS**HAZARDOUS INGREDIENTS**

Component / CAS No.	%	GHS Classification
Acrylic acid, oligomer with primarily 2-Propenoic acid, 2-carboxyethyl ester (CAS 24615-84-7) 9003-01-4	80 - 90	Acute Tox. 4 (H302) STOT Single 3 (H335) Eye Dam. 1 (H318) Aquatic acute 1 (H400) Aquatic Chronic 2 (H411)
Acrylic acid 79-10-7	10 - 20	Flam. Liq. 3 (H226) Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) STOT Single 3 (H335) Skin Corr. 1A (H314) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)

The specific chemical identity and/or exact percentage of composition for one or more ingredients has been withheld as a trade secret.

Additional GHS classification or other information may be included in this section but has not been adopted by OSHA. See Section 16 for full text of H phrases.

4. FIRST AID MEASURES**First-aid Measures**

Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. Apply artificial respiration if patient is not breathing. Obtain medical attention immediately.

Skin Contact:

Wash immediately with plenty of water and soap. Remove contaminated clothing and shoes without delay. Obtain medical attention. Do not reuse contaminated clothing without laundering. Destroy or thoroughly clean shoes before reuse.

Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention immediately.

Ingestion:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects, Acute and Delayed

None known.

Immediate Medical Attention and Special Treatment

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Notes To Physician:

No specific measures have been identified.

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:

Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing. See SDS Section 8 (Exposure Controls/Personal Protection).

Special Hazards:

Keep containers cool by spraying with water if exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

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 Cleaning 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.

7. HANDLING AND STORAGE

HANDLING

Precautions: Avoid release to the environment. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/clothing and eye/face protection. Use only outdoors or in a well-ventilated area. Do not breathe vapors or spray mist.

Special Handling Statements: Avoid excessive heat, contamination or exposure to direct sunlight to prevent polymerization.

STORAGE

Observe label precautions. Prevent unauthorised access. Keep away from sources of ignition. Keep away from oxidizing agents, from alkaline and acid materials. Protect from direct sunlight. This might cause uncontrollable polymerization of the product with generation of heat. Storage in stainless steel, amber glass, amber polyethylene or baked phenolic lined container.

Storage Temperature: Store at 4 - 40 °C 39 - 104 °F

Reason: Quality.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

Utilize a closed system process where feasible. Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure when spraying or curing at elevated temperatures.

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 respirators include those certified by NIOSH.

Recommended:

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

Eye Protection:

Prevent eye and skin contact. Provide eye wash fountain and safety shower in close proximity to points of potential exposure. Wear eye/face protection such as chemical splash proof goggles or face shield.

Skin Protection:

Prevent contamination of skin or clothing when removing protective equipment. Barrier creams may be used in conjunction with the gloves to provide additional skin protection. Wear impermeable gloves and suitable protective clothing.

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.

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

Laminated multilayer gloves, break through time: > 60 min

Nitrile rubber (NBR), thickness: > 0.56 mm, break through time: < 60 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:

Latex gloves

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.

Additional Advice:

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.

Exposure Limit(s)**79-10-7 Acrylic acid**

OSHA (PEL):	Not established
ACGIH (TLV):	(skin)
	2 ppm (TWA)
Other Value:	1 ppm skin (Allnex)

Biological Exposure Limit(s)

No values have been established.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	yellowish
Appearance:	clear to hazy liquid
Odor:	ester-like acrylic
Boiling Point:	> 103 °C 217 °F
Melting Point:	-47 °C -53 °F Not available
Vapor Pressure:	11.6 hPa @ 20 °C
Specific Gravity/Density:	1.19 g/cm ³
Vapor Density:	Not available
Percent Volatile (% by wt.):	< 0.1 %
pH:	3 Not available
Saturation In Air (% By Vol.):	Not available
Evaporation Rate:	Not available
Solubility In Water:	Soluble
Volatile Organic Content:	Not available
Flash Point:	87 °C 189 °F Closed Cup
Flammable Limits (% By Vol):	Not available
Autoignition Temperature:	Not available
Decomposition Temperature:	Not available
Partition coefficient	Not available
n-octanol/water (log value):	
Odor Threshold:	Not available
Viscosity (Kinematic):	Not available
Viscosity (Dynamic):	Low viscous liquid
Flammability:	Normal combustion
Oxidizing Properties:	No

10. STABILITY AND REACTIVITY

Reactivity: No information available

Stability:	Stable.
Conditions To Avoid:	Avoid direct exposure to sunlight. Loss of dissolved air. Loss of polymerization inhibitor.
Polymerization:	May occur
Conditions To Avoid:	Hazardous polymerization can occur when exposed to direct sunlight. Hazardous exothermic polymerization can occur when heated. Uncontrolled polymerization may cause rapid evolution of heat and increase in pressure that could result in violent rupture of sealed storage vessels or containers
Materials To Avoid:	Avoid free radical producing initiators. Avoid contact with peroxides. Contact with strong oxidizing agents. Copper, copper alloys, carbon steel, iron and rust. They give an exothermic reaction with the product. Unintentional contact with them should be avoided.
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide (CO)

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity - oral: Harmful if swallowed

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 severe skin burns and eye damage.

Serious eye damage / eye irritation: Causes serious eye damage

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 drowsiness or dizziness. May cause respiratory irritation.

Specific target organ toxicity (STOT) - 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	1700	mg/kg
dermal	rabbit	Acute LD50	1400	mg/kg
Inhalation	rat	Acute LC50 4 hr	> 5	mg/l (Dust/Mist)

LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation	dermal	Corrosive
Acute Irritation	eye	Causes serious damage

ALLERGIC SENSITIZATION

Sensitization	Skin	No data
Sensitization	respiratory	No data

GENOTOXICITY**Assays for Gene Mutations**

Ames Salmonella Assay	No data
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OTHER INFORMATION

The product toxicity information above has been estimated.

The toxicological properties of this material have not been fully determined.

The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms such as redness, blistering, dermatitis, etc.

HAZARDOUS INGREDIENT TOXICITY DATA

The toxicity of the substance has been evaluated from the starting raw material acrylic acid, which has oral and dermal LD50 values of 1000-2000 mg/kg and > 2000 mg/kg respectively. No mortality was observed in an inhalation study at saturated atmosphere. The substance is corrosive to skin, eye and the respiratory tract. Genotoxicity is not expected. In repeated dose toxicity studies with acrylic acid, no target organ toxicity was observed, neither adverse effects on reproductive performance or developmental effects.

Acrylic acid has acute oral (rat) LD50, acute dermal (rabbit) LD50, and acute inhalation (rat, 4-hr, vapor) LC50 values of 617-1405 mg/kg, >2000 mg/kg, and >1730 ppm (>5.1 mg/L), respectively. Direct contact may cause severe eye irritation with corneal injury which may result in permanent impairment of vision and even blindness. Chemical burns may occur. Vapors may also cause severe eye irritation. Skin contact may cause severe skin burns. Symptoms may include pain, severe local redness, swelling, blistering and tissue damage. Inhalation overexposure may cause severe irritation of the respiratory tract. Repeated overexposures may have effects on the kidney. Acrylic acid did not cause cancer when given to rats in their drinking water throughout their lifetime. No skin tumors occurred in mice receiving repeated skin applications of acrylic acid at nonirritating doses. A slight, not statistically significant increase in skin tumors reported in another study is difficult to interpret due to the low incidence and conflicting information regarding dose. This substance has been toxic to the fetus in laboratory animals at doses toxic to the mother but has not been found to cause birth defects in laboratory animals. In laboratory animal studies with acrylic acid, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals. The results of in vitro genetic toxicity studies are predominantly negative. Animal genetic toxicity studies are negative (not mutagenic).

12. ECOLOGICAL INFORMATION**TOXICITY, PERSISTENCE AND DEGRADABILITY, BIOACCUMULATIVE POTENTIAL, MOBILITY IN SOIL, OTHER ADVERSE EFFECTS**

Overall Environmental Toxicity: Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

The ecological properties of this material have not been fully investigated.

RESULTS OF PBT AND vPvB ASSESSMENT

Not determined

HAZARDOUS INGREDIENT TOXICITY DATA

Component / CAS No.	Toxicity to Fish
Acrylic acid, oligomer with primarily 2-Propenoic acid, 2-carboxyethyl ester (CAS 24615-84-7) (9003-01-4)	LC50 = 27 mg/L - Oncorhynchus mykiss (96hrs - read across)
Acrylic acid (79-10-7)	LC50 = 27 mg/L - Salmo gairdneri (96h)

Component / CAS No.	Toxicity to Water Flea
Acrylic acid, oligomer with primarily 2-Propenoic acid, 2-carboxyethyl ester (CAS 24615-84-7) (9003-01-4)	EC50 = 47 mg/L - Daphnia magna (48hrs - read across)
Acrylic acid (79-10-7)	EC50 = 47 mg/L - Daphnia magna (48h) EC50 = 95 mg/L - Daphnia magna (48h) NOEC = 12-19 mg/L - Daphnia magna (21d)

Component / CAS No.	Toxicity to Algae
Acrylic acid, oligomer with primarily 2-Propenoic acid, 2-carboxyethyl ester (CAS 24615-84-7) (9003-01-4)	EC50 = 0.13 mg/L - Pseudokirchneriella subcapitata (72hrs - read across) NOEC = 0.03 mg/L - Pseudokirchneriella subcapitata (72hrs - read across)
Acrylic acid (79-10-7)	EC50 = 0.13 mg/L - Scenedesmus subspicatus (72h) EC10 = 0.03 mg/L - Scenedesmus subspicatus (72h)

Component / CAS No.	Partition coefficient
Acrylic acid, oligomer with primarily 2-Propenoic acid, 2-carboxyethyl ester (CAS 24615-84-7) (9003-01-4)	0.27
Acrylic acid (79-10-7)	0.46

13. DISPOSAL CONSIDERATIONS

The information on RCRA waste classification and disposal methodology provided below applies only to the product, as supplied. If the material has been altered or contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA "listed hazardous waste" or has any of the four RCRA "hazardous waste characteristics." Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA "listed hazardous waste"; information contained in Section 15 of this SDS is not intended to indicate if the product is a "listed hazardous waste." RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: Ignitability, Corrosivity, Reactivity, and Toxicity. To determine Ignitability, see Section 9 of this SDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 3 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. The Company encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. The Company recommends that organic

materials classified as RCRA hazardous wastes be disposed of by thermal treatment or incineration at EPA approved facilities. The Company has provided the foregoing for information only; the person generating the waste is responsible for determining the waste classification and disposal method.

14. TRANSPORT INFORMATION

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

US DOT

Dangerous Goods? X

PROPER SHIPPING NAME: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Hazard Class: 8

Packing Group: I

UN/ID Number: UN3265

Transport Label Required: Corrosive
Marine Pollutant

Marine Pollutant

TECHNICAL NAME (N.O.S.): ACRYLIC ACID

Component / CAS No.

Hazardous Substances/Reportable Quantity of
Product (lbs)

Acrylic acid

33333

Comments:

Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packagings transported by motor vehicles, rail cars or aircraft.
Hazardous Substances/Reportable Quantities - DOT requirements specific to Hazardous Substances only apply if the quantity in one package equals or exceeds the product reportable quantity.

TRANSPORT CANADA

Dangerous Goods? X

PROPER SHIPPING NAME: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Hazard Class: 8

Packing Group: I

UN Number: UN3265

Transport Label Required: Corrosive
Marine Pollutant

Marine Pollutant

TECHNICAL NAME (N.O.S.): ACRYLIC ACID

ICAO / IATA

Dangerous Goods? X

UN PROPER SHIPPING NAME: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Transport Hazard Class: 8

Packing Group: I

UN Number: UN3265

Transport Label Required: Corrosive

TECHNICAL NAME (N.O.S.): ACRYLIC ACID

IMO

Dangerous Goods? X

UN PROPER SHIPPING NAME: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Transport Hazard Class: 8
 UN Number: UN3265
 Packing Group: I
 Transport Label Required: Corrosive
 Marine Pollutant
 TECHNICAL NAME (N.O.S.): ACRYLIC ACID

SPECIAL PRECAUTIONS FOR USER

Protect against external heat sources higher than +40°C/104°F.

15. REGULATORY INFORMATION

Inventory Information

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.

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.

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 NOT approved 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: All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese 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.

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).

OTHER ENVIRONMENTAL INFORMATION

The following components of this product may be subject to reporting requirements pursuant to Section 313 of CERCLA (40 CFR 372), Section 12(b) of TSCA, or may be subject to release reporting requirements (40 CFR 307, 40 CFR 311, etc.) See Section 13 for information on waste classification and waste disposal of this product.

Component / CAS No.	%	TPQ (lbs)	RQ(lbs)	S313	TSCA 12B
Acrylic acid 79-10-7	~ 20	None	5000	Yes	No

PRODUCT HAZARD CATEGORY UNDER SECTIONS 311 AND 312 OF EPCRA**Physical Hazards**

Flammable (gases, aerosols, liquids, or solids)

Health Hazards

Acute toxicity (any route of exposure)

Skin Corrosion or Irritation

Serious eye damage or eye irritation

Specific target organ toxicity (single or repeated exposure)

16. OTHER INFORMATION**NFPA Hazard Rating (National Fire Protection Association)**

Health: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

Fire: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

Instability: 1 - Materials that in themselves are normally stable, but that can become unstable at elevated temperatures and pressures.

Reasons for Issue: Revised Section 11

Date Prepared: 09/25/2023

Date of last significant revision: 09/25/2023

Component - Hazard Statements

Acrylic acid, oligomer with primarily 2-Propenoic acid, 2-carboxyethyl ester (CAS 24615-84-7)

H302 - Harmful if swallowed.

H318 - Causes serious eye damage.

H335 - May cause respiratory irritation.

H400 - Very toxic to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

Acrylic acid

H226 - Flammable liquid and vapor.

H302 - Harmful if swallowed.

H312 - Harmful in contact with skin.

H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

H332 - Harmful if inhaled.

H335 - May cause respiratory irritation.

H400 - Very toxic to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

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) (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)

Northern Asia

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

Europe

+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)

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

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