

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: PC-1244® Defoamer
Synonyms: None
Product Description: Acrylic copolymer
Molecular Formula: Mixture
Molecular Weight: Mixture
Intended/Recommended Use: Additive

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.

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2. HAZARDS IDENTIFICATION

GHS Classification

Flammable Liquids Hazard Category 3
Aquatic Environment Acute Hazard Category 2
Aquatic Environment Chronic Hazard Category 2

LABEL ELEMENTS



Signal Word
WARNING

Hazard Statements

Flammable liquid and vapor
Toxic to aquatic life
Toxic to aquatic life with long lasting effects

Precautionary Statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/Bond container and receiving equipment.

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

Use only non-sparking tools.

Take precautionary measures against static discharge.

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

Avoid release to the environment.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use CO₂, dry chemical, or foam to extinguish.

Store in a well-ventilated place. Keep cool.

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

Hazards Not Otherwise Classified (HNOC), Other Hazards

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS

| Component / CAS No. | % | GHS Classification |
|-------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2-Ethylhexylacrylate 103-11-7 | < 1 | Flam. Liq. 4 (H227) STOT SE 3 (H335) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Aquatic Chronic 3 (H412) |
| Ethyl acrylate 140-88-5 | < 0.5 | Flam. Liq. 2 (H225) Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 3 (H331) STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1B (H317) Aquatic Acute 3 (H402) Aquatic Chronic 3 (H412) |
| Product Formulation (tested) - | 100 | Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411) |
| Naphtha (petroleum), hydrotreated heavy 64742-48-9 | 55 - 60 | Flam. Liq. 4 (H227) Asp. Tox. 1 (H304) |

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. Obtain medical advice if there are persistent symptoms.

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.

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

Not applicable.

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.

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. Remove sources of ignition.

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. 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.

Special Handling Statements: Provide good ventilation of working area (local exhaust ventilation if necessary). This material contains a flammable or combustible liquid and vapor.

STORAGE

Areas containing this material should have fire safe practices and electrical equipment in accordance with applicable regulations and/or guidelines. Standards are primarily based on the material's flashpoint, but may also take into account properties such as miscibility with water or toxicity. All local and national regulations should be followed. In the Americas, National Fire Protection Association (NFPA) 30: Flammable and Combustible Liquids Code, is a widely used standard. NFPA 30 establishes storage conditions for the following classes of materials: Class I Flammable Liquids, Flashpoint <37.8 °C. Class II Combustible Liquids, 37.8 °C < Flashpoint <60 °C. Class IIIa Combustible Liquids, 60 °C < Flashpoint < 93 °C. Class IIIb Combustible Liquids, Flashpoint > 93 °C. Keep away from sources of ignition - refrain from smoking. Avoid flammable gas mixtures. Take precautionary measures against electrostatic loading - earthing necessary during loading operations. Vapours may form explosive mixtures with air. Store in a cool, dry, well ventilated place and keep container tightly closed.

Storage Temperature: Store at < 35 °C 95 °F

Reason: Quality.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

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:

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:

Avoid skin contact. Wear impermeable gloves and suitable protective clothing. Barrier creams may be used in conjunction with the gloves to provide additional skin protection.

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 repeated or prolonged exposure - non exhaustive list:

Nitrile rubber (NBR), thickness: > 0.38 mm, break through time: up to 480 min

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

Nitrile rubber (NBR), thickness: > 0.38 mm, break through time: up to 480 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:

Nitrile rubber (NBR), thickness: 0.12 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:

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. 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.

Exposure Limit(s)

| | | |
|-------------------|------------------------------------------------|-------------------------------------------------------|
| 140-88-5 | Ethyl acrylate | |
| OSHA (PEL): | | 25 ppm (TWA) 100 mg/m ³ (TWA) (skin) |
| ACGIH (TLV): | | 15 ppm (STEL) 5 ppm (TWA) |
| Other Value: | | Not established |
| 64742-48-9 | Naphtha (petroleum), hydrotreated heavy | |
| OSHA (PEL): | | 1200 mg/m ³ (Supplier) |
| ACGIH (TLV): | | Not established |
| Other Value: | | 1200 mg/m ³ (Supplier) |

Biological Exposure Limit(s)

No values have been established.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------------|-------------------------------------------|
| Color: | colorless to yellow |
| Appearance: | liquid |
| Odor: | characteristic acrylic |
| Boiling Point: | 100 - 200 °C 212 - 392 °F |
| Melting Point: | Not applicable |
| Vapor Pressure: | < 1 hPa @ 20 °C (value for solvent) |
| Specific Gravity/Density: | 0.84 - 0.86 g/cm ³ @ 20 °C |
| Vapor Density: | Not available |
| Percent Volatile (% by wt.): | 59 - 61 (solvent) |
| pH: | Not applicable |
| Saturation In Air (% By Vol.): | Not available |
| Evaporation Rate: | Not available |
| Solubility In Water: | negligible |
| Volatile Organic Content: | <= 4.4 lbs/gal |
| Flash Point: | ~ 59 °C 138 °F Pensky-Martens Closed Cup |
| Flammable Limits (% By Vol): | Lower: 0.6 Upper: 6.5 (value for solvent) |
| Autoignition Temperature: | > 230 °C 446 °F (value for solvent) |
| Decomposition Temperature: | Not available |
| Partition coefficient | Not available |
| n-octanol/water (log value): | |
| Odor Threshold: | Not available |
| Viscosity (Kinematic): | 21 - 65 mm ² /s @ 38 °C |
| Viscosity (Dynamic): | < 100 mPa.s @ 23 °C DIN EN ISO 3219 |
| Flammability: | May form explosive mixtures with air |
| Oxidizing Properties: | No |

10. STABILITY AND REACTIVITY

| | |
|------------------------------------------|-----------------------------------------------------|
| Reactivity: | No information available |
| Stability: | Stable. |
| Conditions To Avoid: | Excessively high temperatures and ignition sources. |
| Polymerization: | Will not occur |
| Conditions To Avoid: | None known |
| Materials To Avoid: | Strong acids, bases, oxidizing agents. |
| Hazardous Decomposition Products: | Carbon dioxide Carbon monoxide (CO) |

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Oral, Skin, Eyes.

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

Serious eye damage / eye irritation: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

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

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 | > 28800 mg/kg |
| dermal | rabbit | Acute LD50 | > 8500 mg/kg |
| Inhalation | rat | Acute LC50 4 hr | > 5 mg/l (Dust/Mist) estimated |

LOCAL EFFECTS ON SKIN AND EYE

| | | | |
|------------------|--------|--------|----------------|
| Acute Irritation | dermal | rabbit | Not irritating |
| Acute Irritation | eye | rabbit | Not irritating |

ALLERGIC SENSITIZATION

| | | |
|---------------|-------------|---------|
| Sensitization | Skin | No data |
| Sensitization | respiratory | No data |

GENOTOXICITY**Assays for Gene Mutations**

| | |
|-----------------------|---------|
| Ames Salmonella Assay | No data |
|-----------------------|---------|

HAZARDOUS INGREDIENT TOXICITY DATA

2-Ethylhexyl Acrylate (EHA), CAS 103-11-7, in acute toxicity testing of similar products, the oral LD50 in the rat was greater than 2000 mg/kg, indicating that the acute toxicity concern for this material is low. In dermal LD50 studies in the rabbit, the test material caused no mortality at concentrations up to 2000 mg/kg. EHA is mildly irritating to the eye (500 mg applied for 24 hr) and a positive test result was obtained in skin sensitization tests on guinea pigs. EHA is not thought to be mutagenic, although the results of various tests are conflicting. EHA is negative in the Ames Bacterial Reverse Mutation assay, and also in the HGPRT mutation assay in mammalian CHO cells. However, in other mammalian in vitro test systems, this material is weakly positive or equivocal, especially at doses causing toxicity: Mouse Lymphoma, Chromosomal Aberrations in CHO cells, and the UDS assay. In a cell transformation assay, EHA was negative, and in the second tier mutagenicity test, the in vivo Micronucleus test, it was also negative. The weight of the evidence supports the conclusion that EHA is not carcinogenic when applied dermally. IARC classifies it as Category 3, (not classifiable as to its carcinogenicity in humans). Repeated inhalation for 90 days caused local nasal tissue damage. It is not neurotoxic, although some oral studies in rats have found a decrease in serum cholinesterase with high chronic doses. EHA is not embryotoxic or fetotoxic when given orally to rats.

Ethyl acrylate has acute oral (rat) and dermal (rat) LD50 values of 1120 mg/kg and 3049 - 5000 mg/kg, respectively. The acute 4-hour inhalation LC50 (rat) is < 9.14 mg/l (vapor). Direct contact caused moderate eye and skin irritation when tested in rabbits. Weak sensitizing effects by skin contact have been observed. Cross sensitization is possible with other acrylates and methacrylates. This material is irritating to the respiratory system. In chronic gavage studies, stomach tumors have been found in rats due to local irritation of the gastric mucous membrane (rat, 2 years, by oral route).


Petroleum distillate has an acute oral (rat) and dermal (rabbit) LD50 values of > 5000 mg/kg and > 2000 mg/kg, respectively. The inhalation LC50 value (8h) is > 5000mg/m³. Acute overexposure to petroleum distillate vapor may cause eye and throat irritation. Certain petroleum distillate fractions may produce moderate to severe skin irritation with direct contact. Prolonged repeated exposure to petroleum distillate vapor may cause central nervous system damage as well as heart and blood disorders. Aspiration of petroleum distillate may cause chemical pneumonitis. Overexposure to vapor may cause dizziness, drowsiness, headache and nausea. Mixed results are reported for in vitro and in vivo genotoxicity testing, but petroleum distillate is not expected to induce tumour formation. Developmental and reproductive toxicity studies showed no evidence of adverse effects.

Carcinogenicity

This product contains one or more Carcinogen Chemical(s) in accordance with IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), ACGIH (American Conference of Governmental Industrial Hygienists).

| Component / CAS No. | Carcinogen |
|---------------------|------------|
|---------------------|------------|

| | |
|----------------------------------|---------|
| 2-Ethylhexylacrylate 103-11-7 | IARC 2B |
| Ethyl acrylate 140-88-5 | IARC 2B |

 **WARNING:** Cancer – www.P65Warnings.ca.gov

12. ECOLOGICAL INFORMATION

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

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

Based on allnex sponsored studies.

This material is not biodegradable, based on similar material.

FISH TEST RESULTS

Test: Acute toxicity, freshwater (OECD 203)

Duration: 96 hr.

Species: Rainbow Trout (*Salmo gairdneri*)

260 mg/l LC50

Test: Acute toxicity, freshwater (OECD 203)

Duration: 96 hr

Species: Bluegill Sunfish (*Lepomis macrochirus*)

240 mg/l LC50

INVERTEBRATE TEST RESULTS

Test: Acute Immobilization (OECD 202)

Duration: 48 hr

Species: Water Flea (*Daphnia magna*)

7.5 mg/l EC50

RESULTS OF PBT AND vPvB ASSESSMENT

This product does not meet the criteria for PBT (Persistent, Bioaccumulative and Toxic substance) or for vPvB (Very Persistent and Very Bioaccumulative).

HAZARDOUS INGREDIENT TOXICITY DATA

| Component / CAS No. | Toxicity to Fish |
|----------------------------------|---------------------------------------------------------|
| 2-Ethylhexylacrylate (103-11-7) | LC50 = 1.81 mg/L - <i>Oncorhynchus mykiss</i> (96hrs) |
| Ethyl acrylate (140-88-5) | LC50 = 4.6 mg/L - <i>Oncorhynchus mykiss</i> (96h) |
| | LC50 2.31 - 2.7 mg/L - <i>Pimephales promelas</i> (96h) |
| Product Formulation (tested) (-) | LC50 = 260 mg/L - Rainbow Trout (96h) |

| | |
|------------------------------------------------------|----------------------------------------------|
| | LC50 = 240 mg/L - Bluegill Sunfish (96h) |
| Naphtha (petroleum), hydrotreated heavy (64742-48-9) | LC50 = 2200 mg/L - Pimephales promelas (96h) |

| Component / CAS No. | Toxicity to Water Flea |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 2-Ethylhexylacrylate (103-11-7) | EC50 = 1.3 mg/L - Daphnia magna (48hrs) EC10 (growth) = 0.85 mg/L - Daphnia magna (21d) EC10 (reproduction) = 0.91 mg/L - Daphnia magna (21d) |
| Ethyl acrylate (140-88-5) | EC50 = 7.9 mg/L - Daphnia magna (48h) |
| Product Formulation (tested) (-) | EC50 = 7.5 mg/L - Daphnia magna (48h) |
| Naphtha (petroleum), hydrotreated heavy (64742-48-9) | Not available |

| Component / CAS No. | Toxicity to Algae |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 2-Ethylhexylacrylate (103-11-7) | EC50 = 1.71 mg/L - Desmodesmus subspicatus (72h) NOEC = 0.45 mg/L - Desmodesmus subspicatus (72hrs) |
| Ethyl acrylate (140-88-5) | EC50 = 48 mg/L - Desmodesmus subspicatus (72h) |
| Product Formulation (tested) (-) | Not available |
| Naphtha (petroleum), hydrotreated heavy (64742-48-9) | Not available |

| Component / CAS No. | Partition coefficient |
|------------------------------------------------------|-----------------------|
| 2-Ethylhexylacrylate (103-11-7) | 4.64 |
| Ethyl acrylate (140-88-5) | 1.18 |
| Product Formulation (tested) (-) | Not available |
| Naphtha (petroleum), hydrotreated heavy (64742-48-9) | Not available |

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: RESIN SOLUTION

Hazard Class: 3

Packing Group: III

UN/ID Number: UN1866

Transport Label Required: Flammable Liquid
Marine Pollutant

Marine Pollutant

Comments:

Flammable liquids with a flash point at or above 38° C (100° F) and not meeting the definition of any other hazard class may be reclassified as a Combustible liquid except for transport by vessel or aircraft. If reclassified, these Combustible liquids are not regulated in non-bulk packagings.

Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packagings transported by motor vehicles, rail cars or aircraft.

TRANSPORT CANADA

Dangerous Goods? X

PROPER SHIPPING NAME: RESIN SOLUTION

Hazard Class: 3

Packing Group: III

UN Number: UN1866

Transport Label Required: Flammable Liquid
Marine Pollutant

Marine Pollutant

ICAO / IATA

Dangerous Goods? X

UN PROPER SHIPPING NAME: RESIN SOLUTION

Transport Hazard Class: 3

Packing Group: III

UN Number: UN1866

Transport Label Required: Flammable Liquid
Miscellaneous

IMO

Dangerous Goods? X

UN PROPER SHIPPING NAME: RESIN SOLUTION

Transport Hazard Class: 3

UN Number: UN1866

Packing Group: III

Transport Label Required: Flammable Liquid
Marine Pollutant

Marine Pollutant

TECHNICAL NAME (N.O.S.): POLY-ACRYLATE

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 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: All components of this product are included on the Japanese (ENCS and ISHL) inventories or are not required to be listed on the Japanese 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).

Switzerland: All components of this product are exempt from the new substance notification requirements for Switzerland (SR 813.11 art. 24-26).

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 |
|----------------------------|-------|-----------|---------|------|----------|
| Ethyl acrylate 140-88-5 | < 0.5 | None | 1000 | Yes | No |

PRODUCT HAZARD CATEGORY UNDER SECTIONS 311 AND 312 OF EPCRA

Physical Hazards

Flammable (gases, aerosols, liquids, or solids)

Health Hazards

Not applicable

16. OTHER INFORMATION

NFPA Hazard Rating (National Fire Protection Association)

Health: 1 - Materials that, under emergency conditions, can cause significant irritation.

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

Instability: 0 - Materials that in themselves are normally stable, even under fire exposure conditions.

Reasons for Issue: Revised Section 11

Date Prepared: 07/31/2023

Date of last significant revision: 07/31/2023

Component - Hazard Statements

2-Ethylhexylacrylate

- H227 - Combustible liquid.
- H335 - May cause respiratory irritation.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H401 - Toxic to aquatic life.
- H412 - Harmful to aquatic life with long lasting effects.

Ethyl acrylate

- H225 - Highly flammable liquid and vapor.
- H302 - Harmful if swallowed.
- H312 - Harmful in contact with skin.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H331 - Toxic if inhaled.
- H335 - May cause respiratory irritation.
- H402 - Harmful to aquatic life.
- H412 - Harmful to aquatic life with long lasting effects.

Product Formulation (tested)

- H401 - Toxic to aquatic life.
- H411 - Toxic to aquatic life with long lasting effects.

Naphtha (petroleum), hydrotreated heavy

- H227 - Combustible liquid.
- H304 - May be fatal if swallowed and enters airways.

Emergency phone numbers for other regions

Asia Pacific

- Australia: +61 1800 022 037 (Allnex Australia)
- 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) (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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