SDS: 0022025
Date Prepared: 18-May-2021

SAFETY DATA SHEET

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

---

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

1.1 PRODUCT IDENTIFIER

UVEKOL® A radiation curing resins

Product Description: Urethane acrylate in acrylic monomers

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

Intended/Recommended Use: Radiation curable coating ingredient.
Uses advised against: -

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company: Allnex Belgium SA/NV, Anderlechtstraat, 33, 1620 Drogenbos, BE.
For Product and all Non-Emergency Information call your local Allnex contact point or contact us at http://www.allnex.com/contact

Local Contact Information: Allnex Belgium SA/NV, Anderlechtstraat, 33, 1620 Drogenbos, BE
Telephone no.: +32 (0) 2-3345111

1.4 EMERGENCY TELEPHONE NUMBER

EMERGENCY TELEPHONE NUMBER (24 hours/day) - For emergency only involving spill, leak, fire, exposure or accident call:
Europe
+44 (0) 1235 239 670 (Carechem 24)
Middle East, Africa
+44 (0) 1235 239 671 (Carechem 24)
See Section 16 for Emergency phone numbers for other regions.

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No 1272/2008 and amendments
Specific Target Organ Toxicity (STOT) - Single Exposure Hazard Category 3
Skin Corrosion / Irritation Hazard Category 1A
Serious Eye Damage / Eye Irritation Hazard Category 1
Skin Sensitizer Hazard Category 1B
Aquatic Environment Long-term Hazard Category 3

2.2 LABEL ELEMENTS

Signal Word
Danger

Hazard Statements
H335 - May cause respiratory irritation.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H412 - Harmful to aquatic life with long lasting effects.

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

P271 - Use only outdoors or in a well-ventilated area.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P321 - Specific treatment (see supplemental first aid instructions on this label).
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container in accordance with local and national regulations.

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

RESULTS OF PBT AND vPvB ASSESSMENT
Not determined

ENDOCRINE DISRUPTOR INFORMATION

Endocrine disrupting - health:
Not applicable

Endocrine disrupting - environment:
Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance, Mixture or Article? Mixture

3.2 MIXTURES

Component / CAS No.	%	EC-No	REACH Registration Number	Classification according to Regulation (EC) No 1272/2008 (CLP)
2-Ethylhexylacrylate 103-11-7	69 - 79	203-080-7	01-2119453158-37	STOT SE 3 (H335) D Skin Irrit. 2 (H315) D Skin Sens. 1B (H317) D Aquatic Chronic 3 (H412) D
Acrylic acid 79-10-7	10 - 19	201-177-9	01-2119452449-31	Flam. Liq. 3 (H226) D Acute Tox. 4 (H302) D Acute Tox. 4 (H312) D Acute Tox. 4 (H332) D STOT Single 3 (H335) D Skin Corr. 1A (H314) D Eye Dam. 1 (H318) D Aquatic Acute 1 (H400) D Aquatic Chronic 2 (H411) D

Component / CAS No.	REACH SVHC	M-Factor	CLP Specific Concentration Limits	CLP Acute Toxicity Estimates (ATEs)
2-Ethylhexylacrylate 103-11-7			STOT SE 3 H335 C>=10% A	
Acrylic acid 79-10-7		acute 1	STOT SE 3 H335 C>=1% D	

See Section 16 for full text of H phrases.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Eye Contact:
In case of contact with the eyes, rinse immediately for at least 30 minutes with plenty of water. Hold eyelid(s) open during rinsing. Obtain medical attention immediately.

Skin Contact:
Flush with a continuous flow of lukewarm water for 30 minutes or until material is removed. Wash with plenty of water and soap. Remove contaminated clothing and shoes without delay. Obtain medical attention if symptoms persist. Do not reuse contaminated clothing without laundering. Destroy or thoroughly clean shoes before reuse.

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. If vomiting occurs naturally in a concious person, lean forward to reduce the risk of aspiration.

Inhalation:
Remove to fresh air. If breathing is difficult, give oxygen. Apply artificial respiration if patient is not breathing. Obtain

medical attention immediately.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

None known.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDS

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

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable Extinguishing Media:
Use water spray or fog, carbon dioxide or dry chemical.

Unsuitable Extinguishing Media:
full water jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

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

5.3 ADVICE FOR FIREFIGHTERS

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

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.

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Cover spills with some inert absorbent material; sweep up and place in a waste disposal container. Flush spill area with water.

6.4 REFERENCES TO OTHER SECTIONS

See Sections 7, 8 and 13 for additional information.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions: Keep away from heat, sparks and open flame. - No smoking. Wash hands thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Use only outdoors or in a well-ventilated area. Do not breathe vapors or spray mist.

Special Handling Statements: Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid excessive heat, contamination or exposure to direct sunlight to prevent polymerization.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in a cool, dry, well ventilated place and keep container tightly closed. Keep away from heat sources and direct sunlight.

Storage Temperature: Store at 4 - 40 °C
Reason: Quality.

Storage Class (TRGS 510): 8A

7.3 SPECIFIC END USE(S)

See the Guidelines for Printers on the Safe Use of Energy Curing Printing Inks and Varnishes, from CEPE. See the Joint BG/HSE/CNAMTS/ISPESL Protocol on improved conditions of use of UV-printing technology in the printing industry in Germany, UK, France, Italy and other interested Member States of the European Union; document from Radtech Europe; (BG:Germany- Berufsgenossenschaften); (HSE: UK- Health and Safety Executive); (CNAMTS: France- Caisse National d'Assurance Maladie des Travailleurs Salariés); (ISPESL: Italy- Istituto Superiore per la Prevenzione e la Sicurezza del Lavoro).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

79-10-7 Acrylic acid

United Kingdom: WEL (Workplace Exposure Limits)	10 ppm (TWA) 29 mg/m³ (TWA) 20 ppm (STEL) 59 mg/m³ (STEL)
Europe ILV (Indicative Limit Values):	Not established
Other Value:	1 ppm skin (Allnex)

Biological Exposure Limit(s)

No values have been established.

Derived No Effect Level (DNEL):
2-Ethylhexylacrylate (103-11-7)

Use	Route	DNEL	Units	Effects Type
Worker	Dermal	0.242	mg/cm2	Short term, local
Worker	inhalation	37.5	mg/m³	Short term, local
Worker	inhalation	37.5	mg/m³	Long term, local
Consumer	Dermal	0.242	mg/cm2	Short term, local
Consumer	inhalation	4.5	mg/m³	Short term, local
Consumer	inhalation	4.5	mg/m³	Long term, local

Acrylic acid (79-10-7)

Use	Route	DNEL	Units	Effects Type
Worker	inhalation	30	mg/m³	Long term, local
Worker	inhalation	30	mg/m³	Short term, local
Worker	Dermal	1	mg/cm2	Short term, local
General Population	inhalation	3.6	mg/m³	Long term, local
General Population	inhalation	3.6	mg/m³	Short term, local
General Population	Dermal	1	mg/cm2	Short term, local
Worker	inhalation	30	mg/m³	Long term, systemic
Worker	inhalation	30	mg/m³	Short term, systemic
Worker	Dermal	1	mg/cm2	Long term, local
General Population	inhalation	3.6	mg/m³	Long term, systemic
General Population	inhalation	3.6	mg/m³	Short term, systemic
General Population	Dermal	1	mg/cm2	Long term, local

Predicted No Effect Concentration (PNEC):
2-Ethylhexylacrylate (103-11-7)

Compartment	PNEC	Units
Fresh water	0.00272	mg/l
Marine water	0.00027	mg/l
Sewage treatment plant	2.3	mg/l
Sediment (fresh water)	0.126	mg/kg
Soil	1	mg/kg
Intermittent water release	0.011	mg/l
Oral (Secondary Poisoning)	0.0023	mg/kg
Sediment (marine water)	12.6	ug/kg

Acrylic acid (79-10-7)

Compartment	PNEC	Units
Fresh water	0.003	mg/l
Marine water	0.0003	mg/l
Intermittent water release	0.001	mg/l
Sewage treatment plant	0.9	mg/l
Sediment (fresh water)	0.024	mg/kg
Sediment (marine water)	0.002	mg/kg
Soil	1	mg/kg
Secondary Poisoning	0.03	mg/kg food

8.2 EXPOSURE CONTROLS

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:
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.

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

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. 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.

Formulation & (re)packing of substances and mixtures
Control of worker exposure

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid
Colour:	colourless
Odor:	ester acrylate
Odor Threshold:	See Section 8 for exposure limits.
Melting Point:	Not available
Boiling Point:	> 100 °C
Flammability:	Normal combustion
Flammable Limits (% By Vol):	Not available
Flash point:	72 °C Setaflash
Autoignition temperature:	Not available
Decomposition Temperature:	Not available
pH:	Not available
Viscosity (Kinematic):	Not available
Viscosity (Dynamic):	Low viscous liquid
Solubility In Water:	Partly soluble
Solubility In Solvent:	Not available
Partition coefficient (n-octanol/water):	Not available
Vapor Pressure:	0.2 hPa
Specific Gravity/Density:	0.92 g/cm³

Vapour density: Not available
Particle characteristics: 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

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY No information available

10.2 CHEMICAL STABILITY Stable

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Polymerization: May occur
Conditions To Avoid: Uncontrolled polymerization may cause rapid evolution of heat and increase in pressure that could result in violent rupture of sealed storage vessels or containers. Hazardous polymerization can occur when exposed to direct sunlight. Hazardous exothermic polymerization can occur when heated.

10.4 CONDITIONS TO AVOID Avoid direct exposure to sunlight. Avoid temperatures higher than 60°C. Take precautionary measures against static discharges. Avoid friction with temperature increase as result. Loss of dissolved air. Loss of polymerization inhibitor. Avoid direct contact with heat sources. Protect from direct sunlight.

10.5 INCOMPATIBLE MATERIALS Avoid contact with peroxides, Copper, copper alloys, carbon steel, iron and rust, Avoid free radical producing initiators, They give an exothermic reaction with the product, Unintentional contact with them should be avoided, Hazardous polymerization may occur

10.6 HAZARDOUS DECOMPOSITION PRODUCTS Carbon dioxide
Carbon monoxide (CO)
oxides of nitrogen
May produce flammable and toxic hydrogen cyanide gas.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

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

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 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: May cause an allergic skin reaction

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

Specific target organ toxicity (STOT) - single exposure: May cause respiratory irritation.
Specific target organ toxicity (STOT) - repeated exposure: 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	Skin	Corrosive
Acute Irritation	eye	Causes serious damage

ALLERGIC SENSITIZATION

Sensitization	Skin	Sensitizing
Sensitization	respiratory	No data

GENOTOXICITY

Assays for Gene Mutations

Ames Salmonella Assay	No data

OTHER INFORMATION

The product toxicity information above has been estimated.
The toxicological properties of this material have not been fully determined.
Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms such as redness, blistering, dermatitis, etc.
Overexposure to vapor during heat curing may cause irritation or injury of the respiratory tract and eye irritation.

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 assy, 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.

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).

SECTION 12: ECOLOGICAL INFORMATION

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

Aquatic Chronic Toxicity: Harmful to aquatic life with long lasting effects

The ecological assessment for this material is based on an evaluation of its components.

12.1 ECOTOXICITY
Not available

12.2 PERSISTENCE AND DEGRADABILITY
Not available

12.3 BIOACCUMULATIVE POTENTIAL
Not available

12.4 MOBILITY IN SOIL

Not available

12.5 RESULTS OF PBT AND vPvB ASSESSMENT
Not determined

12.6 ENDOCRINE DISRUPTING PROPERTIES

12.7 OTHER ADVERSE EFFECTS
Not available

HAZARDOUS INGREDIENT TOXICITY DATA

Component / CAS No.	Toxicity to Fish
2-Ethylhexylacrylate (103-11-7)	LC50 = 4.6 mg/L - Oncorhynchus mykiss (96hrs NOEC = 0.78 mg/L - Oncorhynchus mykiss (96hrs)
Acrylic acid (79-10-7)	LC50 = 27 mg/L - Salmo gairdneri (96h)

Component / CAS No.	Toxicity to Water Flea
2-Ethylhexylacrylate (103-11-7)	EC50 = 7.9 mg/L - Daphnia magna (48hrs) NOEC = 7.9 mg/L - Daphnia magna (48 hrs)
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
2-Ethylhexylacrylate (103-11-7)	EC50 = 5.28 mg/L - Desmodesmus subspicatus (72h) NOEC = 0.82 mg/L - Desmodesmus subspicatus (72hrs) EC50 = 5.2 mg/L - Pseudokirchnerella subcapitata (96hrs) NOEC < 3.8 mg/L - Pseudokirchnerella subcapitata (96hrs)
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
2-Ethylhexylacrylate (103-11-7)	4.64
Acrylic acid (79-10-7)	0.38 - 0.46

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS
The company encourages the recycle and reuse of products and packaging, where possible and permitted.

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

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

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

SECTION 14: TRANSPORT INFORMATION

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

SUBSECTION 14.1 TO 14.5

ADR/RID/ADN

Dangerous Goods?	X
UN Number:	UN3265
UN PROPER SHIPPING NAME:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
TECHNICAL NAME (N.O.S.):	ACRYLIC ACID
Transport Hazard Class:	8
Transport Label Required:	Corrosive
Packing Group:	II
Tunnel restriction code:	E
Comments:	Not intended for shipment by inland waterways in tank vessels.

IMO

Dangerous Goods?	X
UN Number:	UN3265
UN PROPER SHIPPING NAME:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
TECHNICAL NAME (N.O.S.):	ACRYLIC ACID
Transport Hazard Class:	8
Transport Label Required:	Corrosive
Packing Group:	II

ICAO / IATA

Dangerous Goods?	X
UN Number:	UN3265
UN PROPER SHIPPING NAME:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
TECHNICAL NAME (N.O.S.):	ACRYLIC ACID
Transport Hazard Class:	8
Transport Label Required:	Corrosive
Packing Group:	II

14.6 SPECIAL PRECAUTIONS FOR USER
Keep away from heat.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE
No information available

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

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

Persistent Organic Pollutants (Regulation (EC) No 850/2004): Not applicable
Prior Informed Consent (Regulation (EC) No 689/2008): Not applicable
Substances subject to Authorization (Annex XIV of Regulation (EC) No 1907/2006): Not applicable

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

Acrylic acid (10 - 19 %)
This substance is a flammable restricted for aerosols under item 40.

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

Inventory Information

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

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

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

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

New Zealand: This product is 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: One or more components of this product are NOT included on the Philippine (PICCS) inventory.

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

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

15.2 CHEMICAL SAFETY ASSESSMENT
No Chemical Safety Assessment has been carried out.

SECTION 16: OTHER INFORMATION

Reasons for Issue: Revised Section 2
Revised Section 3
Revised Section 9

Date Prepared: 18-May-2021
Date of last significant revision: 18-May-2021

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

Component - Hazard Statements
2-Ethylhexylacrylate
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H335 - May cause respiratory irritation.
- H412 - Harmful to aquatic life with long lasting effects.

Acrylic acid
- H226 - Flammable liquid and vapour.
- 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(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)

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)