SDS: 0017120
Date Prepared: 02-Jan-2017

SAFETY DATA SHEET

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

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

1.1 PRODUCT IDENTIFIER

BECKOPOX™ VEH 2188w/55WA Liquid Coating Resin

Product Description: Alkaline epoxide-amine-adduct in water-based emulsion

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

Intended/Recommended Use: Epoxy curative

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company: Allnex Belgium SA/NV, Square Marie Curie 11, 1070 Brussels, 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 (24 hours/day) - For emergency only involving spill, leak, fire, exposure or accident call:

Asia Pacific:
Australia: +61 2801 44558 (Carechem 24)
China (PRC): +86(0)532-8388-9090 (NRCC)
Japan: +81 345 789 341 (Carechem 24)
New Zealand: +64 9929 1483 (Carechem 24)
India: 000 800 100 7479 (toll free) or +65 3158 1198 (Carechem 24)
Korea: +82 2 3479 8401 (Carechem 24)
Malaysia: +60 3 6207 4347 (Carechem 24)
Philippines: +63 2 231 2149 (Carechem 24)
All Others: +65 3158 1074 (Carechem 24)

Europe/Africa/Middle East (Carechem 24):
Europe, Middle East, Africa, Israel: +44 (0) 1235 239 670
Middle East, Africa (Arabic speaking countries): +44 (0) 1235 239 671

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 (Carechem 24 - Allnex29003-NCEC): +1-866-928-0789 (toll free) or +1-215-207-0061

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No 1272/2008 and amendments
Skin Corrosion / Irritation Hazard Category 2
Serious Eye Damage / Eye Irritation Hazard Category 2
Aquatic Environment Long-term Hazard Category 2

2.2 LABEL ELEMENTS

Signal Word
Warning

Hazard Statements
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H411 - Toxic to aquatic life with long lasting effects.
EUH208 - Contains 2,3-epoxypropyl neodecanoate. May produce an allergic reaction.
EUH208 - Contains diethylenetriamine. May produce an allergic reaction.

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

P264 - Wash face, hands and any exposed skin thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P273 - Avoid release to the environment.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P321 - Specific treatment (see supplemental first aid instructions on this label).
P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P362 + P364 - Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P391 - Collect spillage.
P501 - Dispose of contents/container in accordance with local and national regulations.

2.3 OTHER HAZARDS
Not applicable

RESULTS OF PBT AND vPvB ASSESSMENT
Not determined

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance, Mixture or Article? Mixture

3.2 MIXTURES

Component / CAS No.	%	EC-No	REACH Registration Number	REACH SVHC	Classification according to Regulation (EC) No 1272/2008 (CLP)	M-Factor
2-Propoxyethanol 2807-30-9	5 - 9,5	220-548-6	01-2119883539-19	-	Flam. Liq. 3 (H226) Acute Tox. 4 (H312) Eye Irrit. 2 (H319)	-
Neodecanoic acid, oxiranylmethyl ester 26761-45-5	<= 0,4	247-979-2	01-2119431597-33	-	Muta. 2 (H341) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	-
Diethylenetriamine 111-40-0	<= 0,3	203-865-4	01-2119473793-27	-	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 2 (H330) STOT Single 3 (H335) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1 (H317)	-
Aliphatic polyamine -	50 - 60	--	Not available	-	Aquatic Chronic 2 (H411)	-

See Section 16 for full text of H phrases.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Eye Contact:
Rinse immediately with plenty of water for at least 15 minutes. Obtain medical advice if there are persistent symptoms.

Skin Contact:
Remove contaminated clothing and shoes without delay. Wash immediately with plenty of water. Do not reuse contaminated clothing without laundering. Get medical attention if pain or irritation persists after washing or if signs and symptoms of overexposure appear.

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.

Inhalation:
Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

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

Not applicable

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 MSDS 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

Use appropriate containment to avoid environmental contamination. 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 8 and 13 for additional information.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions: Avoid release to the environment. Keep away from heat, sparks and open flame. - No smoking. Wear protective gloves and eye/face protection. Wash hands thoroughly after handling.

Special Handling Statements: Provide good ventilation of working area (local exhaust ventilation if necessary). During processing and handling of the product, comply with the indicative occupational exposure limit values.

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 sources of ignition - refrain from smoking. Take precautionary measures against electrostatic loading - earthing necessary during loading operations. Vapours may form explosive mixtures with air. Observe the general rules of industrial fire protection. Sensitive to frost.

Storage Temperature: Store at 5 - 25 °C
Reason: Quality.

Storage Class (TRGS 510): 10

7.3 SPECIFIC END USE(S)
Refer to Section 1 or Exposure Scenario if applicable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

111-40-0 Diethylenetriamine

United Kingdom: WEL (Workplace Exposure Limits)	1 ppm (TWA) 4.3 mg/m³ (TWA) (skin) 3 ppm (STEL) 12.9 mg/m³ (STEL)
Europe ILV (Indicative Limit Values):	Not established
Other Value:	Not established

Biological Exposure Limit(s)

No values have been established.

Derived No Effect Level (DNEL):
2-Propoxyethanol (2807-30-9)

Use	Route	DNEL	Units	Effects Type
Worker	Dermal	3.4	mg/kg/day	Long term, systemic
Worker	Inhalation	36	mg/m³	Long term, systemic
Consumer	Dermal	2.2	mg/kg/day	Long term, systemic
Consumer	Inhalation	7.7	mg/m³	Long term, systemic
Consumer	Oral	2.2	mg/kg/day	Long term, systemic

Neodecanoic acid, oxiranylmethyl ester (26761-45-5)

Use	Route	DNEL	Units	Effects Type
Worker	Dermal	1.4	mg/kg/day	Long term, systemic
Worker	Inhalation	1.965	mg/m³	Long term, systemic
Consumer	Dermal	0.7	mg/kg/day	Long term, systemic
Consumer	Inhalation	1	mg/m³	Long term, systemic
Consumer	Oral	1.1	mg/kg/day	Long term, systemic

Diethylenetriamine (111-40-0)

Use	Route	DNEL	Units	Effects Type
Worker	Dermal	11.4	mg/kg	Long term, systemic
Worker	Inhalation	15.4	mg/m³	Long term, systemic
Worker	Inhalation	0.87	mg/m³	Long term, local
Consumer	Dermal	4.88	mg/kg	Short term, systemic
Consumer	Inhalation	27.5	mg/m³	Short term, systemic
Consumer	Dermal	4.88	mg/kg	Long term, systemic
Consumer	Inhalation	4.6	mg/m³	Long term, systemic
Worker	Inhalation	92.1	mg/m³	Short term, systemic
Worker	Inhalation	2.6	mg/m³	Short term, local
Worker	Dermal	1.1	mg/cm2	Long term, local

Predicted No Effect Concentration (PNEC):
2-Propoxyethanol (2807-30-9)

Compartment	PNEC	Units
Fresh water	0.1	mg/L

Marine water	0.01	mg/L
Intermittent water release	1	mg/L
Sewage treatment plant	10	mg/L
Sediment (fresh water)	0.594	mg/kg
Sediment (marine water)	0.0594	mg/kg
Soil	0.0602	mg/kg

Neodecanoic acid, oxiranylmethyl ester (26761-45-5)

Compartment	PNEC	Units
Fresh water	0.0035	mg/L
Marine water	0.35	ug/L
Sewage treatment plant	50	mg/L
Intermittent water release	0.035	mg/L

Diethylenetriamine (111-40-0)

Compartment	PNEC	Units
Fresh water	0.56	mg/L
Marine water	0.056	mg/L
Intermittent water release	0.32	mg/L
Sediment (fresh water)	1072	mg/kg
Sediment (marine water)	107.2	mg/kg
Soil	214	mg/kg
Sewage treatment plant	6	mg/L

8.2 EXPOSURE CONTROLS

Engineering Measures:
Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.

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:
Wear eye/face protection such as chemical splash proof goggles or face shield.

Skin Protection:
Avoid skin contact.
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 repeated or prolonged exposure - non exhaustive list:
Nitrile rubber (NBR), thickness: > 0.56 mm, break through time: up to 480 m

Gloves for short term exposure/splash protection - non exhaustive list:
Nitrile rubber (NBR), thickness: 0.38 mm, break through time: up to 240 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Colour:	yellow to brown
Appearance:	liquid
Odor:	amine
Odor Threshold:	See Section 8 for exposure limits.
pH:	9 - 10 DIN ISO 976
Melting Point:	Not available
Boiling Point:	60 - 100 °C
Flash point:	> 85 °C DIN EN ISO 2719
Evaporation Rate:	Not applicable
Flammable Limits (% By Vol):	Not available
Vapor Pressure:	Not available
Vapour density:	Not available
Specific Gravity/Density:	~ 1.08 g/cm³ DIN EN ISO 2811-2
Solubility In Water:	Soluble
Partition coefficient (n-octanol/water):	Not available
Autoignition temperature:	Not available
Decomposition Temperature:	Not available
Viscosity (Kinematic):	Not applicable
Viscosity (Dynamic):	6000 - 14000 mPa.s @ 23 °C DIN EN ISO 3219

9.2 OTHER INFORMATION

Fat Solubility (Solvent-Oil):	Not available
Percent Volatile (% by wt.):	~ 45 mostly water
Solids Content:	Not available
Saturation In Air (% By Vol.):	Not applicable
Acid Number (mg KOH/g):	12 - 22 DIN EN ISO 2114
Hydroxyl Value (mg KOH/g):	Not applicable
Volatile Organic Content (1999/13/EC):	~ 10 %

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY No information available

10.2 CHEMICAL STABILITY Stable

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Polymerization: Will not occur
Conditions To Avoid: None known

10.4 CONDITIONS TO AVOID Elevated temperatures.

10.5 INCOMPATIBLE MATERIALS Isocyanates, Anhydrides

10.6 HAZARDOUS DECOMPOSITION PRODUCTS Carbon dioxide
Carbon monoxide (CO)
oxides of nitrogen

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

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: Causes skin irritation.
Serious eye damage / eye irritation: Causes serious eye irritation.

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

Carcinogenicity: Not Classified. **-** Based on available data and/or professional judgment, the classification criteria are not met.
Germ cell mutagenicity: Not Classified. **-** Based on available data and/or professional judgment, the classification criteria are not met.
Reproductive toxicity: 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	> 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	Irritating
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.
As a precaution classified as "Irritant" due to pH value.

HAZARDOUS INGREDIENT TOXICITY DATA

2-Propoxyethanol may cause moderate eye irritation. Repeated exposure to the skin may cause allergic reactions. Repeated prolonged overexposure to 2-propoxyethanol vapor may cause blood disorders. The oral LD50 in rats is 3 g/kg and the dermal LD50 in guinea pigs is 1 g/kg. The inhalation LC50 of the vapor is >2000 ppm (8.5 mg/L) after a 4-hour exposure to rats. 2-Propoxyethanol has produced teratogenic effects in animals at maternally toxic doses.

Neodecanoic acid, oxiranylmethyl ester (CAS: 26761-45-5) has acute oral (rat) and dermal (rabbit) LD50 values of 9600 mg/kg and 3800 mg/kg, respectively. Inhalation exposure of rats to a saturated vapor concentration of approximately 240 mg/m³ (26 ppm) resulted in no mortalities. Direct contact with this material was not irritating to rabbit eyes or skin. Neodecanoic acid, oxiranylmethyl ester is a mild to moderate dermal sensitizer in the guinea pig Maximization test and has been reported to be mutagenic.

Diethylenetriamine has acute oral (rat) LD50 values of 1620 mg/kg. Diethylenetriamine has acute dermal (rabbit) LD50 values of 1090 mg//kg. The LC50 value (rat, aerosol, 4 hr) is 0.07 - 0.3 mg/l. No mortality was seen in rats exposed to 300 ppm for 8-hours. This substance may cause respiratory tract irritation. Repeated inhalation exposures can cause asthmatic type responses. Direct contact with Diethylenetriamine may cause severe irritation and/or irreversible damage (burns) to the eyes and skin. Repeated or prolonged dermal contact may cause allergic skin reactions. In the majority of studies performed with microorganisms and in mammalian cell culture, a mutagenic effect was not found. A mutagenic effect was also not observed in in vivo tests. The substance showed no carcinogenic activity in animals after chronic administration to the skin. Under certain conditions the substance can form nitrosamines. Nitrosamines are carcinogenic in animal studies.

The acute oral (rat) and dermal (rabbit) LD50 values of aliphatic polyamine are estimated to be > 5000 mg/kg and > 2000 mg/kg, respectively. Direct contact with this material may cause mild eye and skin irritation. Allergic reactions cannot be excluded.

SECTION 12: ECOLOGICAL INFORMATION

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

Aquatic Chronic Toxicity: Toxic 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 OTHER ADVERSE EFFECTS
Not available

HAZARDOUS INGREDIENT TOXICITY DATA

Component / CAS No.	Toxicity to Algae	Toxicity to Fish	Toxicity to Water Flea
2-Propoxyethanol 2807-30-9	Not available	Not available	Not available
Neodecanoic acid, oxiranylmethyl ester 26761-45-5	EC50 = 3.5 mg/L - Pseudokirchneriella subcapitata (96h)	LC50 = 5 mg/L - Oncorhynchus mykiss (96h)	EC50 = 4.8 mg/L - Daphnia magna (48h)
Diethylenetriamine 111-40-0	EC50 = 1164 mg/L - Pseudokirchneriella subcapitata (72h) EC50 = 345.6 mg/L - Pseudokirchneriella subcapitata (96h) EC50 = 592 mg/L - Desmodesmus subspicatus (96h)	LC50 = 1014 mg/L - Poecilia reticulata (96h) LC50 = 430 mg/L - Leuciscus idus (96h) LC50 = 248 mg/L - Poecilia reticulata (96h)	EC50 = 37 mg/L - Daphnia magna (24h) EC50 = 16 mg/L - Daphnia magna (48h)
Aliphatic polyamine -	Not available	Not available	Not available

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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:	UN3082
UN PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
TECHNICAL NAME (N.O.S.):	ALIPHATIC POLYAMINE
Transport Hazard Class:	9
Transport Label Required:	Miscellaneous
Packing Group:	III
Comments:	Not intended for shipment by inland waterways in tank vessels. This material is environmentally hazardous according to the criteria of the UN Model Dangerous Goods Regulations and/or is a marine pollutant according to the IMDG Code.

IMO

Dangerous Goods?	X
UN Number:	UN3082
UN PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
TECHNICAL NAME (N.O.S.):	ALIPHATIC POLYAMINE
Transport Hazard Class:	9
Marine Pollutant	
Transport Label Required:	Miscellaneous Marine Pollutant
Packing Group:	III

ICAO / IATA

Dangerous Goods?	X
UN Number:	UN3082
UN PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
TECHNICAL NAME (N.O.S.):	ALIPHATIC POLYAMINE
Transport Hazard Class:	9
Transport Label Required:	Miscellaneous
Packing Group:	III

14.6 SPECIAL PRECAUTIONS FOR USER
Sensitive to frost lower than 0°C.

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.

2-Propoxyethanol (5 - 9,5 %)
This substance is a flammable restricted for aerosols under item 40.

Water Endangering Class (Germany): 2 according to VwVwS, 17.05.1999

Inventory Information

European Economic Area (including EU): When purchased 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, pre-registered and/or registered.

United States (USA): All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

Canada: One or more components of this product are NOT included on the Canadian Domestic Substances List (DSL).

Australia: One or more components of this product have NOT yet been included in the Australian Inventory of Chemical Substances (AICS) or assessed by NICNAS.

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.

Philippines: One or more polymeric components of this product are NOT included on the Philippine (PICCS) inventory. The unlisted polymer(s) can meet the criteria of polymer exemption. Allnex is willing to support importers in Philippines who need to obtain an official polymer exemption from Environmental Management Bureau (EMB) before importation.

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 14

Date Prepared: 02-Jan-2017
Date of last significant revision: 29-Jul-2013

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-Propoxyethanol
- H226 - Flammable liquid and vapour.
- H312 - Harmful in contact with skin.
- H319 - Causes serious eye irritation.

Neodecanoic acid, oxiranylmethyl ester
- H317 - May cause an allergic skin reaction.
- H341 - Suspected of causing genetic defects.
- H411 - Toxic to aquatic life with long lasting effects.

Diethylenetriamine
- H302 - Harmful if swallowed.
- H312 - Harmful in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H330 - Fatal if inhaled.
- H335 - May cause respiratory irritation.

Aliphatic polyamine
- H411 - Toxic to aquatic life with long lasting effects.