

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 **BECKOPOX™ VEH 2849W/80WA LIQUID COATING RESIN**

Product Description: Hardener for epoxy resins

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

Intended/Recommended Use: Epoxy curative

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.

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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 1B

Serious Eye Damage / Eye Irritation Hazard Category 1

Skin Sensitizer Hazard Category 1A

Aquatic Environment Long-term Hazard Category 2

2.2 LABEL ELEMENTS



Signal Word

Danger

Hazard Statements

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H411 - Toxic to aquatic life with long lasting effects.

EUH071 - Corrosive to the respiratory tract.

Precautionary Statements

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

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.

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.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.

P391 - Collect spillage.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

2.3 OTHER HAZARDS

Not applicable

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]	EU - CLP EUH Codes
m-Xylylenediamine 1477-55-0	5 - 9,5	216-032-5	01-2119480150-50	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)	EUH071
Isophoronediamine 2855-13-2	5 - 9,5	220-666-8	01-2119514687-32	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317)	
Aliphatic polyamine	58 - 68		Not available	Aquatic Chronic 2 (H411)	

Component / CAS No.	REACH SVHC	M-Factor	CLP Specific Concentration Limits	CLP Acute Toxicity Estimates (ATEs)
Isophoronediamine 2855-13-2			Skin Sens. 1A H317 C _≥ 0.001%	Oral ATE, 1030 mg/kg, , body weight

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 attention immediately.

Skin Contact:

Remove contaminated clothing and shoes without delay. Wear impermeable gloves. Wash immediately with plenty of water. Pay particular attention to skin crevices, nail folds, etc. Do not reuse contaminated clothing without laundering. Do not reuse contaminated leatherware. Obtain medical attention.

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 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, wear a two piece PVC suit with hood or PVC overalls with hood.

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. Sweep up into containers for disposal. 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: Avoid release to the environment. Wash hands thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Do not breathe vapors or spray mist.

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. Observe the general rules of industrial fire protection. Sensitive to frost.

Storage Temperature: Store at 0 - 25 °C

Reason: Quality.

Storage Class (TRGS 510): 8A

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

No OEL values have been established.

Biological Exposure Limit(s)

No values have been established.

Derived No Effect Level (DNEL): m-Xylylenediamine (1477-55-0)

Use	Route	DNEL	Units	Effects Type
Worker	Dermal	0.33	mg/kg	Long term, systemic
Worker	inhalation	1.2	mg/m ³	Long term, systemic
Worker	inhalation	0.2	mg/m ³	Long term, local

Isophoronediamine (2855-13-2)

Use	Route	DNEL	Units	Effects Type
General Population	Oral	0.526	mg/kg/day	Long term, systemic
Worker	inhalation	0.073	mg/m ³	Long term, local
Worker	inhalation	0.073	mg/m ³	Short term, local

Predicted No Effect Concentration (PNEC): m-Xylylenediamine (1477-55-0)

Compartment	PNEC	Units
Fresh water	0.094	mg/kg
Marine water	0.0094	mg/l
Intermittent water release	0.152	mg/l
Sediment (fresh water)	0.43	mg/kg
Sediment (marine water)	0.043	mg/kg
Soil	0.045	mg/kg
Sewage treatment plant	10	mg/l

Isophoronediamine (2855-13-2)

Compartment	PNEC	Units
Fresh water	0.06	mg/l
Marine water	0.006	mg/l
Sediment (fresh water)	5.784	mg/kg
Sediment (marine water)	0.578	mg/kg
Soil	1.121	mg/kg
Sewage treatment plant	3.18	mg/l

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 repeated or prolonged exposure - non exhaustive list:

Neoprene rubber (NE), thickness: > 0.60 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 30 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.

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

Process Category	PROC1 - Use in closed process, no likelihood of exposure
Risk Management Measures and Operational Conditions	Covers percentage substance in the product up to 100 % (unless stated differently). Operation carried out for > 4 hours. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Handle substance within a closed system. Sample via a closed loop or other system to avoid exposure. Ensure material transfers are under containment or extract ventilation. Provide a good standard of controlled ventilation (5 to 10 air changes per hour) . With local exhaust ventilation Wear a full face respirator conforming to EN136 with type A/P2 filter or better. Use eye protection according to EN 166, designed to protect against liquid splashes. Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training.
Process Category	PROC2 - Use in closed, continuous process with occasional controlled exposure (e.g. sampling) PROC3 - Use in closed batch process (synthesis or formulation) PROC9 - Transfer of substance or preparation into small containers (dedicated

	filling line, including weighing) PROC15 - Use as laboratory reagent
Risk Management Measures and Operational Conditions	Covers percentage substance in the product up to 100 % (unless stated differently). Operation carried out for > 4 hours. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Handle substance within a closed system. Sample via a closed loop or other system to avoid exposure. Ensure material transfers are under containment or extract ventilation. Provide a good standard of controlled ventilation (5 to 10 air changes per hour) . Local exhaust ventilation - efficiency of at least Effectiveness: 90%. Wear a full face respirator conforming to EN136 with type A/P2 filter or better. Use eye protection according to EN 166, designed to protect against liquid splashes. Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training.
Process Category	PROC8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
Risk Management Measures and Operational Conditions	Covers percentage substance in the product up to 100 % (unless stated differently). Operation carried out for > 4 hours. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Handle substance within a closed system. Sample via a closed loop or other system to avoid exposure. Ensure material transfers are under containment or extract ventilation. Provide a good standard of controlled ventilation (5 to 10 air changes per hour) . Local exhaust ventilation - efficiency of at least Effectiveness: 97%. Wear a full face respirator conforming to EN136 with type A/P2 filter or better. Effectiveness: 90%. Use eye protection according to EN 166, designed to protect against liquid splashes. Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid
Colour:	light yellow
Odor:	amine
Odor Threshold:	See Section 8 for exposure limits.
Melting Point:	Not available
Boiling Point:	100 - 200 °C
Flammability:	Not available
Flammable Limits (% By Vol):	Not available
Flash point:	> 100 °C DIN EN ISO 2719
Autoignition temperature:	> 450 °C (value for solvent)
Decomposition Temperature:	Not available
pH:	Not available
Viscosity (Kinematic):	Not available
Viscosity (Dynamic):	18000 - 25000 mPa.s @ 23 °C DIN EN ISO 3219
Solubility In Water:	Soluble
Solubility In Solvent:	Not available
Partition coefficient (n-octanol/water):	Not available
Vapor Pressure:	< 25 hPa @ 20 °C (value for solvent) calculated
Specific Gravity/Density:	~ 1.09 g/cm ³ DIN EN ISO 2811-2 @ 20 °C
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: Will not occur

Conditions To Avoid: None known.

10.4 CONDITIONS TO AVOID Avoid high temperatures.

10.5 INCOMPATIBLE MATERIALS Anhydrides, Isocyanates

10.6 HAZARDOUS DECOMPOSITION PRODUCTS None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

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

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: 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	5100 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	Corrosive
Acute Irritation	eye	Causes serious damage
Acute Irritation	respiratory	corrosive

ALLERGIC SENSITIZATION

Sensitization	Skin	Severe Sensitizing
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.

HAZARDOUS INGREDIENT TOXICITY DATA

m-Xylylenediamine has acute oral (rat) LD50, acute dermal (rabbit) LD50 and 4-hour inhalation (rat) LC50 values of 930 mg/kg, 2000 mg/kg and 2.4 mg/l, respectively. This material is severely irritating/corrosive to the eyes, skin and mucous membranes. Inhalation of vapor can cause severe irritation/corrosion of the respiratory tract. Ingestion can cause corrosive effects in the mouth, throat, esophagus and stomach. This material has produced skin sensitization in animals.

Isophoronediamine has an acute oral (rat) and dermal (rabbit) LD50 value of 1030 and > 2000 mg/kg respectively. The LC50 value following a 4-hour inhalation exposure to rats is 1.07 -5.01 mg/L. Respiratory difficulties were observed for all animals. Direct contact may cause severe eye and skin irritation. Isophoronediamine cause marked sensitization when tested in laboratory animals. Isophoronediamine was not genotoxic in several studies (in vitro and in vivo). Developmental effects were not observed in a prenatal study in rats. Carcinogenicity has not been investigated.

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 ENDOCRINE DISRUPTING PROPERTIES

No Hazardous Ingredients

12.7 OTHER ADVERSE EFFECTS

Not available

HAZARDOUS INGREDIENT TOXICITY DATA

Component / CAS No.	Toxicity to Fish
m-Xylylenediamine (1477-55-0)	LC50 = 87.6 mg/L - Oryzias latipes - 96hrs
Isophoronediamine (2855-13-2)	LC50 = 110 mg/L - Leuciscus idus (96h)
Aliphatic polyamine (-)	Not available

Component / CAS No.	Toxicity to Water Flea
m-Xylylenediamine (1477-55-0)	EC50 = 15.2 mg/L - Daphnia magna - 48hrs NOEC = 4.7 mg/L - Daphnia magna - 21d
Isophoronediamine (2855-13-2)	EC50 = 23 mg/L - Daphnia magna (48h) NOEC = 3 mg/L - Daphnia magna (21d)
Aliphatic polyamine (-)	Not available

Component / CAS No.	Toxicity to Algae
m-Xylylenediamine (1477-55-0)	EC50 = 33.3 mg/L - Pseudokirchneriella subcapitata - 72hrs NOEC = 22.9 mg/L - Pseudokirchneriella subcapitata - 72hrs
Isophoronediamine (2855-13-2)	EC50 = 50 mg/L - Desmodesmus subspicatus (72h) EC10 = 11.2 mg/L Desmodesmus subspicatus (72h)
Aliphatic polyamine (-)	Not available

Component / CAS No.	Partition coefficient
m-Xylylenediamine (1477-55-0)	0.18
Isophoronediamine (2855-13-2)	0.99
Aliphatic polyamine (-)	Not available

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 company 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:	UN2735
UN PROPER SHIPPING NAME:	AMINES, LIQUID, CORROSIVE, N.O.S.
TECHNICAL NAME (N.O.S.):	XYLYLENEDIAMINE, ISOPHORONEDIAMINE
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:	UN2735
UN PROPER SHIPPING NAME:	AMINES, LIQUID, CORROSIVE, N.O.S.
TECHNICAL NAME (N.O.S.):	XYLYLENEDIAMINE, ISOPHORONEDIAMINE
Transport Hazard Class:	8
Marine Pollutant	
Transport Label Required:	Corrosive Marine Pollutant
Packing Group:	II

ICAO / IATA

Dangerous Goods?	X
UN Number:	UN2735
UN PROPER SHIPPING NAME:	POLYAMINES, LIQUID, CORROSIVE, N.O.S.
TECHNICAL NAME (N.O.S.):	XYLYLENEDIAMINE, ISOPHORONEDIAMINE
Transport Hazard Class:	8
Transport Label Required:	Corrosive
Packing Group:	II

14.6 SPECIAL PRECAUTIONS FOR USER

Sensitive to frost lower than -10°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): Not applicable

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 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 Industrial Chemicals (AIIC) or assessed by AICIS.

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

Korea: One or more components of this product are NOT included on the Korean (ECL) inventory.

Philippines: One or more components of this product are NOT included on the Philippine (PICCS) inventory.

Taiwan: One or more components of this product are NOT included in 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 8
Revised Section 16

Date Prepared: 08-Dec-2022
Date of last significant revision: 13-May-2022

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

m-Xylylenediamine

- H302 - Harmful if swallowed.
- H332 - Harmful if inhaled.
- H314 - Causes severe skin burns and eye damage.
- H318 - Causes serious eye damage.
- H317 - May cause an allergic skin reaction.
- H412 - Harmful to aquatic life with long lasting effects.

Isophoronediamine

- 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.

Aliphatic polyamine

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

Uses covered for this mixture under REACH Consolidated from the exposure scenarios of the substances present in this mixture						
No.	Short Title	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Risk Management Measures/ Operational Conditions (RMM/OC)
1	Formulation & (re)packing of substances and mixtures	SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites		PROC1 PROC2 PROC3 PROC8b PROC9 PROC15	ERC2	Included in Section 8 of this SDS
2	Industrial application of coatings and inks	SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites		PROC1 PROC2 PROC3 PROC4 PROC7 PROC8b PROC9 PROC10 PROC13 PROC15	ERC6c	Available on request*
3	Professional application of coatings and inks	SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)		PROC4 PROC8a PROC10 PROC11 PROC13 PROC15	ERC8c ERC8f	Available on request*

* Contact ALLNEX (PSRA-customer-requests@allnex.com) for detailed Exposure Scenario information on the substances present in this mixture.

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) (Carechem24)
Korea: +82 2 3479 8401 (Carechem 24)
Malaysia: +60 3 6207 4347 (Carechem 24)
New Zealand: +64 0800 803 002 (Allnex New Zealand)
Philippines: +63 2 231 2149 (Carechem 24)
Taiwan: +886 2 8793 3212 (Carechem 24)
Vietnam: +84 8 4458 2388 (Carechem 24)
All Others: +65 3158 1074 (Carechem 24)

Latin America

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