SAFETY DATA SHEET

according to regulation of Europian parliament and Council (ES) number 1907/2006 according Committee regulation (EU) number 878/2020



10. 05. 2024 Date of Issue: Version number: No. of pages: 9

Revision date: Replaces version:

ETERNAL NA BETON KOMFORT - component B Product name:

Section 1: Identification of substance/mixture and of the company/undertaking

The product is not a nanoform, nor does it contain any nanoforms.

UFI code: 1336-0TQP-W611-NCTF

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Relevant identified use:

Product identifier:

1.1

Life cycle phases: PW (wide use by professionals - basic)

C (consumer use)

Usage Name: SU0

Other usage description: Component B - two component epoxy coating (epoxy base)

Market description: PC9a: PC15

Name of Contributing Activity: roller or brush application

non-industrial spraying techniques

Contributing activity description: PROC10

PROC11

technical function of the product in Component B - two component More information:

> this use: epoxy coating (epoxy base) 0 - 10 t / yr

ETERNAL NA BETON KOMFORT - component B

quantity to be used: Regulatory status by use: No a limited number of devices for No

this use:

the subsequent period of 12 months

application relevant to this use:

ERC2; ERC6d; ERC8c; ERC8f; an overview of environmental FRC11a

release categories for each life

cycle stage:

supplied as a mixture

1.2.2 all other uses Uses advised against:

1.3 Details of the supplier of the safety data sheet:

> AUSTIS a. s. Producer and supplier:

Adress: K Austisu 680, 154 00 PRAHA 5 - Slivenec

Telephone number: +420 251 099 111 Fax: +420 251 099 112 austis@austis.cz e-mail

1.4 +420 725 491 378 Emergency telephone number: +420 251 099 247

Centre of the Toxicologicaly information Na Bojišti 1, 120 00 Prague 2, Tel.: +420 224 919 293

Section 2: Hazard identification 2.

2.1 Classification of the substance or mixture

Classification under Regulation 1272/2008/EU Eye Irrit. 2; H319 Skin Irrit. 2; H315

Skin Sens. 1; H317 Aquatic Chronic 2; H411

2.2 Label elements

> Symbols: GHS07 GHS09

Signal word:

It contains a hazardous substance: epoxy resin based on bisphenol A and epichlorohydrin, alkyl(C12-C14)(2,3-epoxypropyl) ether and epoxy resin based on bisphenol-F

Hazard Statement: H319: Causes serious eye irritation.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction. H411: Toxic to aquatic life with long lasting effects.

Warning

Precautionary Statement: P102: Keep out of reach of children.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P391: Collect spillage.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352: IF ON SKIN: Wash with plenty of soap and water. P501: Dispose of contents/container in accordance with relevant

national legislation.

2.3 Other hazards: The mixture does not meet criteria to be classified as PBT or vPvB

substances. The mixture is not endocrine disruptor, nor does it

contain any

EUH205: It contains an epoxy components. May cause an allergic

reaction

Section 3: Composition / information on ingredients 3

A mixture of low molecular weight liquid epoxy resins modified with a mono-functional reactive solvent.

Mixing ratio of components A and B:

3.2 Mixtures

Other risks:

Chemical name: reaction product: (bisphenol-A

> (number average molecular weight < 700)

Aquatic Chronic 2; H411

< 20

271-846-8

+ epichlorhydrin); epoxy resin

bisphenol-F, epoxy resin; number average molecular weight < 700

< 20

Not Assigned

Content [%]: < 70 Index number: 603-074-00-8

CAS: 25068-38-6 9003-36-5 EC number (EINECS): 500-006-8 500-033-5 Not Assigned **REACH Registration number:** 01-2119456619-26-00XX

Classification according to Directive 1272/2008/EU: Eve Irrit. 2: H319

Eve Irrit. 2: H319 Skin Irrit. 2; H315 Skin Irrit. 2; H315 Skin Sens. 1; H317 Skin Sens. 1; H317 Aquatic Chronic 2; H411

Specific concentration limits, M-factors: Eye Irrit. 2: C ≥ 5 % Not Assigned

Skin Irrit. 2: C ≥ 5 %

Chemical name: Oxirane, mono[(C12-14alkyloxy)methyl] derivs.

Content [%]: Index number: 603-103-00-4 CAS: 68609-97-2

REACH Registration number: 01-2119485289-22-00XX

Skin Irrit. 2: H315 Classification according to Directive 1272/2008/EU: Skin Sens. 1; H317

Specific concentration limits, M-factors: Not Assigned

Full text of H - phrases in Section 16

Section 4: First aid measures

EC number (EINECS):

4.1 Description of first aid measures

When providing first aid it is necessary to ensure safety of both victim and person rescuing. It is necessary to avoid chaotic behavior. Victim must be kept in mental and physical rest. Victim must be kept warm and must not get chilled. Take original container with label or safety data sheet with information about substance or mixture with you in case of medical examination.

Inhalation: Break exposure, move to fresh air protecting the victim from cold. Provide medical treatment especially if coughing, shortness of breath or other symptoms persist.

When on skin: Put away contaminated clothes and shoes, wash the contaminated spot with plenty of tepid water; if the skin is not irritated, soap can be used; seek doctor's advice, especially if the skin stays irritated.

Eye Contact: Rinse eyes with plenty of water (10 to 15 min). Keep eyes open (even by force if necessary). If the victim is wearing contact lenses remove them immediately. Seek medical attention.

Ingestion: Do not induce vomiting! Drink at least 0.5 liters of water with 5 to 10 tablets of crushed charcoal. In case of nausea contact the Toxicology Information Centre for need of medical treatment with information about composition of the mixture from the original container or

4.2 Most important symptoms and effects, both acute and delayed

The product may have adverse effects through inhalation and if swallowed. It can irritate skin, mucous membranes and eyes.

4.3 Indication of any immediate medical attention and special treatment needed: Symptomatic treatment

5. Section 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: The product is not inflammable. Water spray (water mist), foam, carbon dioxide, dry powder.

Unsuitable extinguishing media: The strong water current. It can be spread fire.

- 5.2 Specific danger linked to the substance or mixture: Upon evaporation of the liquid element the residue burns and emits a thick black irritant smoke (CO, CO₂, soot). Inhaling products during decomposition may endanger life.
- 5.3 Advice for firefighters: wear a breathing apparatus and protective clothing.

6. Section 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures: Appropriate protective gloves, goggles, appropriate clothing, or respirator.
- 6.1.1 For workers except for those intervening in emergency cases instructions in case of accidental spill and leak of substance or mixture:
 - a) use of appropriate protection (including personal protective equipment according to part 8 BL), in order to avoid any skin, eyes or personal clothing contamination;
 - b) removing possible sources of ignition, providing proper ventilation, control of dust not relevant
 - c) emergency measures, for example necessary evacuation from dangerous area or consultation with an expert not relevant
- 6.1.2 For workers intervening in emergency cases instructions for appropriate materials of personal protective suits (see part 8 BL)
- 6.2 Environmental precautions: Prevent environmental pollution leakage into drains, surface water, groundwater or soil.
- 6.3 Methods and materials for limitation of leaks and for cleaning:
- 6.3.1 Instructions for leak limitation of spilled substance or mixture
 - a) enclose the spilled mixture, cover the canalization;
 - b) seal the damaged package
- 6.3.2 Instructions for removal of spilled substance or mixture

Absorb with appropriate agent, hand over to authorized person for disposal.

6.4 Reference to other sections: See also section 7., 8 and 13.

7. Section 7: Handling and storage

- 7.1 Measures for safe manipulation:
- 7.1.1 Recomendations:
 - a) Workers handeling the product have to get familiar with health and safety rules for work and have to obey these rules. Secure escape routs (enclosing of leaked mixture, sealing of demaged packages and so on), for fire prevention (remove ignition sources, non-sparkling tools and so on) and limit the production of aerosol and dust.
 - b) Obey measures for prevention of manipulation with incompatible substances or mixtures (see part 10) in common areas.
 - c) Store in original closed packages in temperature from +5 to +25 °C, do not expose to temperature under 0 °C (not even in short term). Do not expose to direct sunlight or other heat sources.
 - d) Prevent the contamination of environment, i.e. leak into canalization, surface or underground water and soil.
- 7.1.2 Instructions for general hygiene of work:
 - a) Do not eat, drink or smoke on work areas.
 - b) After working with product wash your hands with soap and water, eventually use regeneration hand cream.
 - c) Before entering dining areas, remove contaminated clothing and protective equipment.
- 7.2 Conditions for safe storage of substances and mixtures including incompatible substances and mixtures: Store in dry and well-ventilated storages in original closed packages in temperatures from +5 to +25 °C, do not expose to temperature under 0 °C (not even in short term). Do not expose to direct sunlight or other heat sources. Prevent any contact with oxidazing substances, strong acids and bases. Do not store with food, drinks and feed. The product is not a flamable liquid according to ČSN 65 0201.
- 7.3 Specific end use: see part 1.2; coating procedure and recomendations are listed in technical list of the product, or in other product documentation.

8. Section 8: Exposure controls / personal protection

8.1 Control parameters:

Exposure limits EH40/2005 (WELs):

Not Assigned

reaction product: (bisphenol-A + epichlorhydrin); epoxy resin (number average molecular weight < 700) (ES: 500-033-5):

DNEL (Workers, Hazard via inhalation route, Systemic effects, Long 12,25 mg/m³

term exposure)

DNEL (Workers, Hazard via inhalation route, Systemic effects, 12,25 mg/m³

Acute/short term exposure)

DNEL (Workers, Hazard via dermal route, Systemic effects, Long term 8,83 mg/kg bw/day

exposure)

DNEL (Workers, Hazard via dermal route, Systemic effects, Acute/short 8,83 mg/kg bw/day

term exposure)

DNEL (General Population, Hazard via inhalation route, Systemic 3,571 mg/kg bw/day

effects, Long term exposure)

DNEL (General Population, Hazard via dermal route, Systemic effects, 3,571 mg/kg bw/day

Acute/short term exposure)

DNEL (General Population, Hazard via oral route, Systemic effects, 0,75 mg/kg bw/day

Long term exposure)

DNEL (General Population, Hazard via oral route, Systemic effects, 0,75 mg/kg bw/day

Acute/short term exposure)

PNEC agua (freshwater) 0,006 mg/L 0,001 mg/L PNEC aqua (marine water) PNEC STP 10 mg/L

PNEC sediment (freshwater) 0,996 mg/kg sediment dw PNEC sediment (marine water) 0,1 mg/kg sediment dw PNEC soil 0,196 mg/kg soil dw PNEC oral (Hazard for predators) 11 mg/kg food

bisphenol-F, epoxy resin; number average molecularweight < 700 (ES: 500-006-8):

DNEL (Workers, Hazard via inhalation route, Systemic effects, Long 29,39 mg/m³

term exposure)

DNEL (Workers, Hazard via dermal route, Systemic effects, Long term 104,15 mg/kg bw/day

exposure)

DNEL (Workers, Hazard via dermal route, Local effects, Acute/short 8,3 μg/cm²

term exposure)

DNEL (General Population, Hazard via inhalation route, Systemic 8,7 mg/m³

effects, Long term exposure)

DNEL (General Population, Hazard via dermal route, Systemic effects, 62,5 mg/kg bw/day

Long term exposure)

DNEL (General Population, Hazard via oral route, Systemic effects, 6,25 mg/kg bw/day

Long term exposure)

PNEC aqua (freshwater) 0,003 mg/L PNEC agua (marine water) 0 mg/L PNEC STP 10 mg/L

PNEC sediment (freshwater) 0,294 mg/kg sediment dw PNEC sediment (marine water) 0,029 mg/kg sediment dw PNEC soil 0,237 mg/kg soil dw

Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (ES: 271-846-8):

DNEL (Workers, Hazard via inhalation route, Systemic effects, Long 3,6 mg/m³

term exposure)

NOAEC (Workers, Hazard via inhalation route, Systemic effects, Long 88,2 mg/m³

term exposure)

DNEL (Workers, Hazard via dermal route, Systemic effects, Long term 1 mg/kg bw/day

NOAEL (Workers, Hazard via dermal route, Systemic effects, Long term 100 mg/kg bw/day

exposure)

DNEL (General Population, Hazard via inhalation route, Systemic 0,87 mg/m³

effects, Long term exposure)

NOAEC (General Population, Hazard via inhalation route, Systemic 43,5 mg/m³

effects, Long term exposure)

DNEL (General Population, Hazard via dermal route, Systemic effects, 0,5 mg/kg bw/day Long term exposure)

NOAEL (General Population, Hazard via dermal route, Systemic effects, 100 mg/kg bw/day Long term exposure)

DNEL (General Population, Hazard via oral route, Systemic effects, 0,5 mg/kg bw/day

Long term exposure)

NOAEL (General Population, Hazard via oral route, Systemic effects, 100 mg/kg bw/day

Long term exposure)

PNEC aqua (freshwater) 0,007 mg/L PNEC aqua (marine water) 0,001 mg/L PNEC STP 10 mg/L

307,16 mg/kg sediment dw PNEC sediment (freshwater) PNEC sediment (marine water) 30,72 mg/kg sediment dw PNEC soil 61,42 mg/kg soil dw

8.2 Exposure controls

> Ensure adequate ventilation. Ensure protective equipment is worn while working with the product. Contaminated work clothes can be reused after thorough cleaning. Wash your hands and face with soap and water after use. Do not eat, drink or smoke while working with the product.

- 8.2.1 Appropriate engineering controls: Observe the usual precautions to protect the health and well-ventilated.
- 8.2.2 Individual protection measures, such as personal protective equipment:

Occupational exposure is governed by Directive 89/686/EEC therefore any use of personal protective equipment must be in accordance with this Regulation.

- a) Eyes and face protection: Suitable safety goggles (EN 166), face shiled.
- b) Skin protection: Common safety clothing with long sleave and shoes; take of the contaminated clothing and wash your skin with soap and
- b-1) Hands protection: suitable protective gloves (made from rubber according to EN 374), wash your hands with soap and water after work,
- c) Airways protection: with proper area ventilation not required. When spraying, face half-shiled is recomended for gass filtration (EN 405) or quarter-shiled with gass filter (EN 140, EN 141).

d) Heat hazard: Special attention must be paid to construction of personal protective measures, when specifying protective measures for protection against materials, which are considered to be heat hazard. Not relevant for this product.

8.2.3 Environmental exposure controls: Avoid infiltration of surface and groundwater and soil.

9. Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) State

b) Colorc) Odour:

Odor threshold:

d) Melting/Freezing point (temperature range) (°C):

e) Boiling point or initial boiling point and boiling range (°C)

f) Combustibility:

g) Explosion limints: upper limit (% volume):

lower limit (% volume):

h) Point of ignition:

i) Temperature of self-ignition:

j) Temperature of decomposition (°C):

k) pH (23 °C)

I) Kinematic viscosity:

m) Solubility (23 °C)

- with water:

- with fats:

n) Partition coefficient n - octanol/water:

o) Steam pressure (20 °C):

p) Density and/or relative density (20 °C):

q) Relative viscosity of steam (at °C):

r) Particles characteristics:

9.2 Other information:

9.2.1 Information about class of physical hazard:

9.2.2 Other safety characteristics

Evaporation rate:
Dynamic viscosity:
Explosive properties:
Oxidizing properties:

VOC (Mixture A + B)

viscous liquid

clear colorless to yellowish liquid

characteristic Not specified Not specified

> 200

non-flammable liquid

Not specified
Not specified
> 150 °C
Not specified

approximately 6 - 8 (Mixture A + B)

Not specified

Not specified

unlimited miscibility with water

Not specified Not specified < 0.01 Pa

approximately 1,12 g.cm⁻³

Not specified Not specified

. . . .

not relevant

Not specified Not specified Not specified Not specified

3 g/L

10. Section 10: Stability and reactivity

Product is stable under recommended storage and handling conditions.

- 10.1 Reactivity: Product is not reactive under recommended storage and handling conditions.
- 10.2 Chemical stability: Product is stable under recommended storage and handling conditions.
- 10.3 Possibility of hazardous reactions: In case of contact with strong acids and bases, oxidizing agents and amines.
- 10.4 Conditions to avoid: Temperatures below 0 °C and above 100 °C cause degradation of the product. Temperatures above recommended storage temperature reduce life of the product.
- 10.5 Incompatible materials: Substances reacting with water, strong acids and bases, oxidizing agents, isocyanates, anhydrides, uncontrolled contact with amines.
- 10.6 Hazardous Decomposition Products: Carbon monoxide and dioxide, hydrogen chloride and indefinable organic mixtures may form during burning.

11. Section 11: Toxicological information

11.1 Information about hazard classes acording to (ES) č. 1272/2008

a) acute toxicity:

- LD₅₀, oral, rat (mg.kg⁻¹):

- LD₅₀, dermal, rat or rabbit (mg.kg⁻¹):

- LC₅₀, inhalation, rat, for aerosols or particles (mg.kg⁻¹):

- LC₅₀, inhalation, rat, for gases and vapours (mg.kg⁻¹):

b) corrosivity/skin irritation:

c) serious eye damage / eyes irritation:

d) sensitivity of airways / sensitivity of skin:

e) germ cells mutagenicity:

f) carcinogenicity:

g) toxicity for reproduction:

h) toxicity for specific organs - single exposure:

i) toxicity for specific organs - multiple exposures:

the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information

	Additional data.	Details on the toxicity of nazardous compon	ons are given below.	
12.7	Other adverse effects: Additional data:	See Section 2 Details on the toxicity of hazardous components are given below.		
12.6	Features causing disruption of endocrinal systém	Unknown for this mixture		
12.5	Results of PBT and vPvB	The mixture does not meet the criteria for classification as PBT or vPvB.		
12.4	Mobility in soil:	It was not determined, the blend is miscible	•	
		log Pow = 3 to 5	log Pow = 3,6	
12.3	Bioaccumulative potential:	For the mixture is not known. bisphenol-A + epichlorhydrin	bisphenol-F	
		12 % of epoxy resin decomposes not set in 28 days	มเจนเเยเบเ-r	
12.2	Persistence and degradability:	For the mixture is not known. bisphenol-A + epichlorhydrin	bisphenol-F	
	- IC ₅₀ , 72 hours, algae (mg/kg):	1 - 10	1 - 10	
	- LC ₅₀ , 48 hours, fish (mg/kg):	1,4 - 1,7	1 - 10	
	- LC ₅₀ , 96 hours, fish (mg/kg):	3,1	1 - 10	
		bisphenol-A + epichlorhydrin	bisphenol-F	
	Acute toxicity for water organisms:	For the mixture is not known.		
12.1	Toxicity	Toxic to aquatic life with long lasting effects.		
12.	Section 12: Ecological information			
11.2.2	Other information	None		
11.2.1	Features causing disruption of endocrinal systém	Not relevant for this mixture.		
11.2	Other hazards information	-		
11.1.12	Additional data:	None		
	are unavilable, no assumptions will be listed and instead effects on healtf of each substance will be listed.			
	c) if the information about mutual effects of substances in the mixture	see part 8		
	b) if it is not likely the effects will appear with current concentrations, for example when weak irritating substance is disolved in non-irritating solution to a level under certain concentration;	Not relevant for this mixture.		
	a) if the information are doubled, they are listed only once for a substance as a whole, for example when two different substances are causing vomiting and diarrhea;	Not relevant for this mixture.		
	2) It is necessary to consider, if concentration of each substance is sufficient to contribute on mixture's effects on health. For each substance			
	1) Substances in the mixture can react with each other inside of a body and can cause different levels of absorption, metabolism and			
· ·	Mixtures information compared to substance information			
	Mixtures	see part 8		
	Lack of specific data	not relevant		
11.1.8	exposure Interactive effects	unknown		
	features Belated and immediate effects and chronical effects of short/long term	no effects on human health are known		
	Symptoms corresponding to physical, chemical and toxicological	no effects on human health are known		
	information explaining the justification should be stated. Information about likely exposure run	no effects on human health are known		
11.1.4	necessary to sum up results of used studies, for example according to exposure run If the classification criteria are not met for specific hazard class,	relevant concentration limits were not exceeded		
11.1.3	If enough information from substance/mixture trials exist, it might be	not relevant		
	weight <700 (ES: 500-033-5), bisphenol F - epoxy resin, average molecular weight <700 (ES: 500-006-8) and oxirane, mono [(C12 -14-alkyloxy) methyl] derivatives (ES: 271-846-8).			
	epoxy resin of bisphenol A and epichlorohydrin, average molecular	see part 8		
	Toxicological properties of mixture	not avilable		
11.1.1	Information for each hazard class or breakdown:	Were not performed see above		
	Tests on animals:	prescribed safety measures.		
	Human experience:	No detrimental effects were found upon compliance with the		
	j) hazards while inhaled:	the classification cirteria are not met based	on aviiable inionnation	

Component	reaction product: (bisphenol-A + epichlorhydrin); epoxy resin (number average molecular weight 700 - 1100)	bisphenol F - epoxy resin, average molecular weight <700
CAS number	25068-38-6	9003-36-5
Toxicity to algae	EC_{50} = 9,4 mg/L (biomass; 72 h) NOEC = 2,4 mg/L (biomass; 72 h) EC_{50} = > 11 mg/L (growth rate; 72 h) NOEC = 4,2 mg/L (growth rate; 72 h)	EbL ₅₀ > 1000 mg/L (biomass; 72 h) NOELb = 1000 mg/L (biomass; 72 h) ErL ₅₀ > 1000 mg/L (growth rate; 72 h) NOELr = 1000 mg/L (growth rate; 72 h)
Toxicity to fish	$LC_{50} = 1.2 \text{ mg/L } (96 \text{ h})$	LC ₅₀ > 1000 mg/L (96 h)
Toxicity to water fleas	LC ₅₀ = 2,7 mg/L (48 h)	EL ₅₀ > 1000 mg/L (48 h)

13. Section 13: Disposal considerations

13.1 Methods of waste management:

(a) Appropriate methods of disposal of the substance or mixture and contaminated packaging: Risk of environmental contamination, follow the Waste Act (as amended) and the applicable Waste Disposal Regulations (as amended). Place the unused product and contaminated packaging in marked waste collection containers and hand it over for disposal to an authorised waste disposal person (specialised company) authorised to do so. Do not dispose of unused product down the drain. It must not be disposed of with municipal waste. Empty packaging may be used for energy recovery in a waste incinerator (except for metal) or disposed of in a landfill of the appropriate classification. Completely cleaned packaging may be handed over for recycling. Always comply with the relevant national legislation!

- Translated with www Deepl com/Translator (free version) b) Physical / chemical properties that can affect means of waste handling: Both A and B components are liquids that are freely miscible with water, after mixing and curing these behave as solid.
- c) Avoidance of disposal through sewer: It is necessary to prevent leakage of both components and hardened mixture into drains.
- d) Special precautions for the recommended waste management: Avoid contact with skin and eyes.

14. Section 14: Transport information

14.1 UN number or ID number

Required shipping label:

ADR/RID/ADN:

IMDG:

ICAO TI:

14.2 Proper name of the United Nations for the shipment ADR/RID/ADN:

IMDG:

ICAO TI:

14.3 Class / classes of hazards to transportation:

> ADR/RID/ADN: IMDG: ICAO TI: Packing group: ADR/RID/ADN:

IMDG:

ICAO TI:

14.4

14.5 Environmental hazards:

14.6 Special precautions for user:

Special provisions (ADR): 14.7 Naval mass-transport according to instrumenst IMO:

> Notes: Additional data:

UN3082



MARINE POLLUTANT EMS group: F-A,S-F

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN FROM BISPHENOL A AND BISPHENOL F) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN FROM BISPHENOL A AND BISPHENOL F) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN FROM BISPHENOL A AND BISPHENOL F)

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> It is not intended to be transported in containers by inland waterways. This material presents a risk to the environment under the criteria of the Model UN regulation of hazardous products and / or pollutants according to the IMDG Code.

See Section 8

274: The provisions of subsection 3.1.2.8 apply (ADR). Symbol (fish

and tree) Not applicable

None

None

15. Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals establishing a European Chemicals Agency, as amended

Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 (CLP) as amended

Commision directive (EU) No. 878/2020

EH40/2005 Workplace exposure limits (second edition, published 2011). Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended)

15.2 Assessment chemical safety of mixture:

Were not performed

16. Section 16: Other informations

Information stated in this safety data sheet is based on the current knowledge of EU legislation. It is recommendation in terms of health and safety as well as recommendation related to ecological matters that are essential to safe usage of the product.

a) New edition.

b) key or legend for abbreviations and accronyms used in the safety data sheet:

LD₅₀ The lethal dose for 50 % mortality of the test population relative to a control sample.

 LC_{50} Lethal concentration for 50 % mortality of the test population relative to a control sample.

 EC_{50} Effective concentration for 50 % mortality of the test population relative to a control sample.

EC₁₀ Effective concentration for 10 % mortality of the test population relative to a control sample.

IC₅₀ Inhibitory concentration to reduce the growth or growth rate of 50% of the test population relative to a control sample.

LL₅₀ Lethal loading doses of test substance resulting in 50% mortality

EL₅₀ Effective loading doses of test substance resulting in 50% mortality

PBT Persistent, bioaccumulative and toxic substances.

vPvB Very persistent and very bioaccumulative substances.

DNEL Derived No Effect Level - derived concentration of the substance without adverse effects

DMEL Derived Minimum Effect Level - derived minimum level at which the adverse effects

NOAEL No Observed Adverse Effect Level - no negative effect was observed

PNEC Predicted No Effect Concentration - an estimate of the concentration of the substance without adverse effects

NOELR No Observed Effect Loading Rate - dosage rate without observed effect
NOEC No Observed Effect Concentration - concentration without observed effect

NOEL No Observed Effect Level - level without observed effect

LOEC Lowest Observed Effect Concentration - lowest concentrations with observable effects

ADR European Agreement concerning the international carriage of dangerous goods by road.

RID Regulations concerning the international carriage of dangerous goods by rail.

IMDG International maritime code of dangerous goods.ICAO The International Civil Aviation Organization.IATA International Air Transport Association.

GHS Globally Harmonized System of Classification and Labelling of Chemical substances.

c) important references to literature and data sources

Initial data sources are safety data sheets of the inherent (components).

d) in case of mixture, statement about evaluation method used for classification according to article 9 of directive (ES) number 1272/2008 For evaluation purposes, principles of extrapolation were used. Calculation methods.

e) List of H-sentences, whose full form is not listed in other parts.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Guidelines for training:

As required by national legislation.

Recommended restrictions on use (i. e. non-statutory recommendations by supplier):

Product should not be used for other purposes than specified (see section 1.2). Because specific conditions of use are beyond supplier's control it is responsibility of the user to adapt notifications to local law and regulations. Safety information describe the product with regard to safety and can not be considered technical information about the product.

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