

Material Safety Data Sheet

It is prepared pursuant to 1907/2006/EC and Regulation on Information Forms on Harmful Substances and Mixtures (R.G. 13.12.2014-29204) .

Print Date:12.07.2016

Control Date:17.06.2020

SDS Code:GM-CX-005-A

1 Identification of the substance/admixture and Company/Distributor

1.1. Identification of the substance/admixture

Trade Name: CERMIJOINT EPOSOL PRO -A Component

1.2. Specified or recommended usage of substance/admixture

Epoxy grouting material which is cleanable with cold water.

This SDS has been prepared for A component. Please check TDS document for mixing ratio with B component

1.3. Details of the supplier of the MSDS

Company Name: Koramic Yapı Kimyasalları
Bozüyük OSB 10.Cad No : 3 Bozüyük/BİLECİK
Phone: +90 228 314 63 00
Fax: +90 228 314 63 05
SDS Contact: yasemin.karel@koramic.com.tr

1.4.Emergency Phone Number: +90 228 314 63 00(Workdays,in overtime period)
NATIONAL TOXICITY INFORMATION CENTER: 114

2.Hazard Identification

2.1.Classification of the substance or admixture

Aquatic Chronic 2 . H 411 Toxic to aquatic life with long-lasting effects.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Skin Irr 2. H 315 Causes skin irritation.
Eye Irr 2 H 319 Causes serious eye irritation.

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2.2.Label Elements



Signal Word: Warning

Aquatic Chronic 2. H 411 Toxic to aquatic life with long-lasting effects.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Skin Irr 2. H 315 Causes skin irritation.

Eye Irr 2 H 319 Causes serious eye irritation.

P273 Avoid release to environment.

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

P302+P 352 IF ON SKIN: Wash with plenty of soap and water.

P305+P 351+P 338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P 337+P 313: If eye irritation persists: Get medical advice/attention.

P 333+ P 313: If skin irritation or a rash occurs: Get medical advice/attention

2.3. Other Hazards

None known.

3 Information of Composition/Ingredients

3.2. Admixture

Substance	CAS Number	Concentration(%)	Hazard Statements
Bisphenol A Reaction Product	25085-99-8	%10-30	H 411 Toxic to aquatic life with long-lasting effects. H317 May cause an allergic skin reaction. H 315 Causes skin irritation. H 319 Causes serious eye irritation.

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Aliphatic Glycidyl Ether	68609-97-2	0-3	H 315 Causes skin irritation. H 317 May cause an allergic skin reaction.
Titanium Dioxide	13463-67-7	5-10	-
Xylene	1330-20-7	0,1-0,4	H226 Flammable liquid and May cause an allergic skin reaction.vapour H332 Harmful if inhaled H312 Harmful in contact with skin H315 Causes skin irritation

Substance	CAS Number	Concentration(%)	Hazard Statements
Ethylbenzene	100-41-4	0-0,2	H302 Harmful if swallowed H319 Causes serious eye irritation
Solvent naphtha, petroleum, light aromatic	64742-95-6	0-0,1	H350 May cause cancer H340 May cause genetic defects H304 May be fatal if swallowed and enters airways
Fatty acids,C-18 unsatd.,trimers compds. With oleylamine	147900-93-4	0-0,1	H372 Causes damage to organs through prolonged or repeated exposure H411: Toxic to aquatic life with long-lasting effects H317 May cause an allergic skin reaction.
Fatty acid,tall-oil,compds. With oleylamine	85711-55-3	0-0,1	H319 Causes serious eye irritation
Distillates (petroleum), hydrotreated light	64742-47-8	0-0,7	H 304 May be fatal if swallowed and enters airways
Silicon Dioxide	7631-86-9	0-1	-
Quartz	-	10-20	-

4 First Aid Measures

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4.1. Description of first aid measures

General :If any suspicion on any causes or detected disease symptoms,get medical advice/attention. Do not given anything to unconscious person.

After Skin Contact :Remove contaminated clothing immediately and wash affected skin with soap and water.Wash contaminated clothing before reuse.If irritation develops and persists,get medical attention.

After Eye Contact : Rinse eyes with water at least 10 minutes while eyelids open.Remove contact lenses.Get medical attention if eye irritation develops or persists.

After Ingestion : Rinse the mouth. Provide comfortable condition for injury person.Do not induce vomiting. Seek the medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Causes irritation to eyes and skin. May cause sensitization by skin contact.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media : Extinguish preferably with foam, carbon dioxide or dry chemical.

Unsuitable Extinguishing Media : Water jet.

5.2. Special hazards arising from the substance or admixture

May decompose in a fire giving off toxic fumes. Epoxy resins release phenolics, carbon monoxide and water.

5.3. Advice for firefighters.

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.Avoid run off the waterways and sewers.

6 Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Ensure adequate ventilation. Do not breathe fumes/vapour from heated product.

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

6.2. Environmental precautions.

Do not allow to enter drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up.

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Contain spillages. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Dispose of this material and its container as hazardous waste. Residual resin may be removed using steam or hot soapy water.

6.4 Reference to other sections.

See section: 8,13

7 Handling and storage

7.1. Precautions for safe handling

Do not breathe fumes/vapour from heated product. Ensure adequate ventilation. In case of inadequate ventilation wear respiratory protection. Avoid contact with skin, eyes or clothing. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product

7.2. Conditions for safe storage, including any incompatibilities.

Keep away from naked flames and hot surfaces.

Storage:

Storage temperature	Ambient.
Storage life	Stable under normal conditions.
Incompatible materials	None known.

7.3. Specific end use(s) :PC14 Metal surface treatment products, including galvanic and electroplating products.

8 Exposure controls/personal protection

8.1.Control Parameters.

Not available limit value(s).

8.2. Exposure controls

8.2.1. Suitable engineering control methods

Ensure adequate ventilation.

8.2.2. Personal Protective Equipment

Safety equipments : Mask and safety goggles for resisting to chemicals.

Air condition: Provide fresh air for every time.

Protection of Respiratory System : Normally no personal respiratory protection is necessary. In case of inadequate ventilation wear respiratory protection.

Protection of Hands: Wear impervious gloves. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

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Protection of Eyes: Wear goggles giving complete protection to eyes to protect against liquid splashes.

9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance : Clear syrup
Odor : Slightly sweet
Physical State : Liquid
Vapor Press : N.D.A.
Specific Gravity : 1.10
pH :N.D.A.
Boiling Point :N.D.A.
Melt Point : N/A
Solubility in H₂O :Slightly

10 Stability and reactivity.

10.1. Reactivity : Stable under normal conditions.

10.2. Chemical stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions.: Phenolics, Carbon monoxide and Water.

10.4. Conditions to be avoided. Temperature > 300°C. Decomposes at temperatures above (°C): 350.

Generation of gas during decomposition can cause pressure in closed systems.

Pressure buildup can be rapid.

10.5 Substances to be avoided: Alkalis (strong bases). Acids. Amines and Oxidizing agents.

10.6. The products of after decompositions :

Will not occur by itself, but masses of more than 500 grams of product plus an aliphatic amine will cause irreversible polymerization with considerable heat buildup.

11 Toxicological information

Informations are based on similar toxicologic products and admixture itself.

11.1 Information on toxicological effects.

Acute toxicity

Ingestion	Not classified.
Inhalation	Not classified.
Skin Contact	Skin Irrit. 2; Causes skin irritation.
Eye Contact	Eye Irrit. 2; Causes serious eye

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Irritation	irritation.
Corrosivity	Not classified.
Sensitisation	Not classified.
	Skin Sens. 1; May cause an allergic skin reaction.
Repeated dose toxicity	Not classified.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	No data.

Acute Toxicity values for components

68609-97-2- Aliphatic Glycidyl Ether
LD50 Oral - rat - > 2.000 mg/kg
13463-67-7-Titanium Dioxide
LD50 Oral -rat - > 5.000 mg/kg
LC50 Inhalation - rat - 4 h - > 6,82 mg/l
1330-20-7-Xylene
LD50 Oral - rat - 3.523 mg/kg
LC50 Inhalation-rat - 4 h - 5000 ppm
LD50 Dermal - Rabbit - 12.126 mg/kg
100-41-4 -Ethylbenzene
LD50 Oral-rat- 3.500 mg/kg
LD50 Dermal -rabbit - 15.433 mg/kg
64742-95-6- Solvent naphtha, petroleum, light aromatic
LD50 oral-rat >14000 mg/kg (Sprague-Dawley)
LD50 dermal-rabbit >2000 mg/kg
LC50 Inhalation-rat (mg/l) – 4h - 6,000 - 10,000 mg/m3 (C9 aromatic naphtha)
147900-93-4- Fatty acids,C-18 unsatd.,trimers compds. With oleylamine
LD50 Oral (rat): > 1,570 mg/kg
85711-55-3- Fatty acid,tall-oil,compds. With oleylamine
LD50 Oral (rat): > 2,000 mg/kg
64742-47-8- Distillates (petroleum), hydrotreated light
LD50 Oral - Rabbit - 2.835 mg/kg
7631-86-9 Silicone dioxide,chemically prepared
LD 50,oral>5000 mg/kg (rat)

11.2.Other Information:

NTP: Not Listed

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IARC Monographs: Not Listed

OSHA Regulated: Not Listed

12 Ecological Informations

- | | |
|---|--|
| 12.1. Toxicity | No data. |
| 12.2. Persistence and degradability | Part of the components are poorly biodegradable. |
| 12.3. Bioaccumulative potential | The product has low potential for bioaccumulation. |
| 12.4. Mobility in soil | The product is predicted to have low mobility in soil. |
| 12.5. Results of PBT and vPBT assesment | Not classified as PBT or vPvB. |
| 12.6. Other adverse effects | None known. |

13 . Disposal considerations

13.1.Waste treatment methods:This material and its container must be disposed of as hazardous waste. Send after pre-treatment to an appropriate hazardous waste incinerator facility according to legislation.

13.2.Additional Information:Dispose of contents in accordance with local, state or national legislation.

14 . Transport information.

DOT

UN number: UN 2810

UN proper shipping name: Toxic, liquids, organic, n.o.s.

Transport hazard class(es)

Class(es): 6.1 Label(s): 6.1

Packing group: III

Marine Pollutant: No

IMDG

UN number: UN 2810

UN proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S.

Transport hazard class(es)

Class(es): 6.1 Label(s): 6.1

EmS No.: F-A, S-A

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Packing group: III
Marine Pollutant: No

IATA

UN number: UN 2810
Proper Shipping Name: Toxic liquid, organic, n.o.s.
Transport hazard class(es):
Class(es): 6.1 Label(s): 6.1
Marine Pollutant: No
Packing group: III

15 Regulatory information.

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

· According to Regulation (EC) Number 1272/2008 labeling.

Product labelled and classified according to SEA regulation.

· Hazard Pictograms:

GHS07,GHS 09

·Signal Word:Warning

· Determinant component(s) of dangers for labeling:

Bisphenol A Reaction Product

Aliphatic Glycidyl Ether

· Hazard statements:

H 411 Toxic to aquatic life with long-lasting effects.

H317 May cause an allergic skin reaction.

H 315 Causes skin irritation.

H 319 Causes serious eye irritation.

16 Other Information

The information contained in this Safety Data Sheet is provided only for the latest information and findings. However, neither do they constitute a warranty nor do they constitute a contractual legal relationship. The information provided is for the safe storage, handling, transport and disposal of the product mentioned in this safety data sheet. This information is not used for other products.

16.1. Safety Data Sheet Prepared by:

Prepared by: Yasemin KAREL

Certificate no: NBC/01.146.05

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Certificate validity date : 17.01.2021

16.2. Relevant Harmfulness and Precautionary Statements

H 411 Toxic to aquatic life with long-lasting effects.

H317 May cause an allergic skin reaction.

H 315 Causes skin irritation.

H 319 Causes serious eye irritation.

P273 Avoid release to environment.

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

P302+P 352 IF ON SKIN:Wash with plenty of soap and water.

P305+P 351+P 338: IF IN EYES: Rinse cautiously with water for several minutes.Remove contact lenses,if present and easy to do. Continue rinsing.

P 337+P 313: If eye irritation persists: Get medical advice/attention.

P 333+ P 313: If skin irritation or a rash occurs: Get medical advice/attention

16.3. Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienist
ADR	European Agreement on Carriage of Dangerous Goods by Road
CLP	Regulation on the Classification, Labeling and Packing of Chemicals
DSD	Dangerous Goods Regulation (EC)
IARC	International Agency for Cancer Research
IATA	International Air Transport Association
ICAO	International Civil Aviation Authority
IDLHs	Dangerous for Life or Health Concentrations
IMDG	International Maritime Rules for Dangerous Goods
mg/m ³	The amount in milligrams of the substance found in 1 m ³ of air at 20 ° C and 101.3 KPa. (760 mm mercury pressure).
NIOSH	National Institute for Occupational Health and Safety
NTP	National Toxicology Program (USA)
OSHA	Occupational Safety and Health Administration (USA)
PEL	Permissible Exposure Limit
ppm	Amount in milliliters of 1 m ³ of airborne material (ml / m ³)

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RID

International Regulations for the Transport of
Dangerous Goods by Rail

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1 Identification of the substance/admixture and Company/Distributor

1.1. Identification of the substance/admixture

Trade Name: CERMIJOINT EPOSOL PRO -B Component

1.2. Specified or recommended usage of substance/admixture

Epoxy Grouting Material

1.3. Details of the supplier of the MSDS

Company Name: Koramic Yapı Kimyasalları
Bozüyük OSB 10.Cad No : 3 Bozüyük/BİLECİK
Phone: +90 228 314 63 00
Fax: +90 228 314 63 05
Contact: yasemin.karel@koramic.com.tr

1.4.Emergency Phone Number: +90 228 314 63 00(Workdays,in overtime period)

2.Hazard Identification

2.1.Classification of the substance or admixture

Skin dam 2. H315 Causes skin damage.
Eye dam. 2 H319 Causes serious eye damage.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Aquatic Chronic 3 H 412 Harmful to aquatic life with long lasting effects

2.2.Label Elements



GHS 07



GHS 09

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Signal Word: Warning

Skin dam 2 H315 Causes skin irritation
Eye dam. 2 H319 Causes serious eye irritation
Skin Sens. 1 H317 May cause an allergic skin reaction.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects

P 261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

P 280 Wear protective gloves/protective clothing/eye protection/face protection.

P 337+ P 313 If eye irritation persists get medical advice/attention.

P 302+P 352 IF ON SKIN: Wash with plenty of water/

P 305+P351+P 338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

2.3. Other Hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Information of Composition/Ingredients

3.2. Admixture

Substance	CAS Number	Concentration(%)	Hazard Statements
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids, tetraethylenepentamine and triethylenetetramine	68071-65-8	%4-10	H315 Causes skin irritation H319 Causes serious eye irritation H317 May cause an allergic skin reaction.
Fatty acids, C18-unsatd., dimers, polymers with tall-oil fatty acids and triethylenetetramine	68082-29-1	4-10	H315 Causes skin irritation H319 Causes serious eye irritation H317 May cause an allergic skin reaction.
Silicon Dioxide	736-86-9	0,1-1	-

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Quartz	-	10-20	-
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4 First Aid Measures

General :If any suspicion on any causes or detected disease symptoms,get medical advice/attention. Do not given anything to unconscious person.

After Skin contact : Rinse skin with water and soap.If it continues, get medical advice/attention.

After Eye Contact :Rinse eyes with water at least 10 minutes while eyelids open.Do not use solvent or thinner.

After Ingestion : Seek the medical advice. Provide comfortable condition for injury person.Do not induce vomiting.

5 Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Equipments: Alcohol resistant foam,CO₂,powder ,water spray.

Unsuitable Extinguishing Equipments : Water jet

5.2. Special hazards arising from the substance or admixture

The fire produce dark black and oil fume. Decomposition of production may be affected the health.It may be required suitable breathing equipment.

5.3. Advice for firefighters.

The fire produce dark black and oil fume.

Decomposition of production may be affected the health.It may be required suitable breathing equipment

6 Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Keep from the fire material and provide fresh air . Avoid breathing the steams.

6.2. Environmental precautions.

Avoid dumping to drainage,groundwater and water.

6.3. Methods and material for containment and cleaning up.

Less quantity of dumping materials may be taken by absorbent materials and full in the box..

6.4 Reference to other sections.

Obey 7. And 8. rules which tells safety advices.

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7 Handling and storage

7.1. Precautions for safe handling

Avoid contact eye and skin. Must not breath spray and steam.
The pressure is not used when the box deplete.

7.2. Conditions for safe storage, including any incompatibilities.

Storage:

Specialites of storage and boxes.

Store dry and fresh condition by reading informations of product.Store indirect sunlight.
Store original package or box have original package property.
Opened boxes are closed carefully and avoid pouring.

Warnings about storage.

Avoid store incompatible materials together.
Avoid from igniter materials.

7.3. Specific end use(s)

Information not available.

8 Exposure controls/personal protection

8.1.Control Parameters.

Not avaliabe limit value(s).

8.2. Exposure controls

8.2.1. Suitable engineering control methods

Provide fresh air for everytime.

8.2.2. Personal Protective Equipment

Safety equipments : Mask and safety goggles for resistancing to chemicals.

Air condition: Provide fresh air for everytime.

Protection of Respiratory System : Use suitable protection in applying. May be used air-fed respirator.

Protection of Hands: If contact is long-term , Must be used nitrile and neoplan gloves. Before contacting , Must be used protection cream.

Protection of Eyes : Must be used protection goggles for avoiding the liquid leaping.

Protection of Skin and Body : Must be worn antiseptic gloves which made by natural fibers and high temperature resistant synthetic fibers. The body should be washed in contact.

9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Appearance : Liquid
Colour : RAL colours
Flash point. : 180 °C DIN 53213
Initial boiling point : >200 °C
Vapour pressure : < 0,09774 mmHg (21 °C)
Specific Density : 20 °C'de 1,8 gr/cm³ DIN 53217
Water Soluable : Çözünmez

10 Stability and reactivity.

10.1. Reactivity : There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability: It is stable in storage conditions.

10.3. Possibility of hazardous reactions.:No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to be avoided. None.

10.5 Substances to be avoided: Strong oxidizing materials , acids and bases.

10.6. The products of after decompositions : After Combustion, toxic substances such as carbon monoxide and carbon dioxide may be appeared.

11 Toxicological information

Informations are based on similar toxicologic products and admixture itself.

11.1 Information on toxicological effects.

LD/LC50 - values (toksikological experiments values) for classification

68071-65-8- Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids, tetraethylenepentamine and triethylenetetramine

Oral LD50 >2000 mg/kg (rat)

68082-29-1 Fatty acids, C18-unsatd., dimers, polymers with tall-oil fatty acids and triethylenetetramine

Oral LD50 >16000 mg/kg (rat)

7631-86-9 Silicone dioxide,chemically prepared

Oral LD50 >5000 mg/kg (rat) (OECD 401)

14808-60-7 Quartz(Silicone dioxide)

Oral LD50 =3160 mg/kg (rat)

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Skin irritation/sensation

Causes to skin irritation.

Serious eye damage/irrititation

Causes serious eye irritation.

Respiratory tract or skin sensitivity

Causes allergic skin reactions.

12 Ecological Informations

- | | |
|--|---|
| 12.1. Toxicity | No appropriate data |
| 12.2. Persistence and degradability | Part of components' biodegradabilities are low. |
| 12.3. Bioaccumulative potential | Bioaccumulative of product is low. |
| 12.4. Mobility in soil | No appropriate data. |

68071-65-8 Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids, tetraethylenepentamine and triethylenetetramine and 68082-29-1 Fatty acids, C18-unsatd., dimers, polymers with tall-oil fatty acids and triethylenetetramine components' echologic effects:

· Note: Harmful for fishes.

Other ecologic warnings:

Classification of harmful for water: 2 –It has been threat for water.

*Take preventions for leaking into ground water,water and sewage.

*It should not reach in to pre-dilution impoundment without dilution or neutralisation process.

*A bit of leakage could have been spawn threat for tap water.

*It is poisonous for fishes and planktons in slack or running water.

*It is poisonous for aquatic creatures.

- | | |
|---|---------------------------------|
| 12.5. Results of PBT and assessments | It isn't listed as PBT or vPvB. |
| 12.6. Other adverse effects | No appropriate data available. |

13 . Disposal considerations

Disposal: Sewage , soil or dispose of any water supply. All disposal methods available in their area and must comply with city laws and regulations . These laws and regulations vary from region to region. and

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only producer of the waste and the characteristics of the waste is responsible for compliance with existing laws.

14 . Transport information.

14.1 UN number

· ADR, ADN, IMDG, IATA out of date.

14.2 Suitable UN transportation name:

· ADR, ADN, IMDG, IATA out of date.

14.3Transportation hazardous classification(s):

· ADR, ADN, IMDG, IATA out of date..

14.4 Group of packaging:

· ADR, IMDG, IATA out of date.

14.5 Environmental Damage:

Marine pollutant: None

14.6 Special precautions for user(s) :Non applicable.

14.7 MARPOL 73/78 appendix II and bulk transportation according to IBC code :Not applicable.

15 Regulatory information.

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

· According to Regulation (EC) Number 1272/2008 labeling.

Product labelled and classified according to SEA regulation.

· **Hazard Pictograms:**

GHS07, GHS09

·**Signal Word:**Warning

· **Sign of dangers for labeling:**

Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids, tetraethylenepentamine and triethylenetetramine

Fatty acids, C18-unsatd., dimers, polymers with tall-oil fatty acids and triethylenetetramine

· **Hazard statements:**

H315 Causes skin irritation

H319 Causes serious eye irritation

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects

Material Safety Data Sheet

It is prepared pursuant to 1907/2006/EC and Regulation on Information Forms on Harmful Substances and Mixtures (R.G. 13.12.2014-29204) .

Print Date:01.07.2016
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Control Date:17.06.2020

16 Other Information

Product safety data sheet and the information is provided in accordance with the most recent information and findings. Products of our control and direct and any conditions arising from the use of other purposes without our knowledge and / or does not bear responsibility for indirect losses and damages.

16.1. Safety Data Sheet Prepared by:

Prepared by: Yasemin KAREL

Certificate no: NBC/01.146.05

Certificate validity date : 17.01.2021

16.2. Relevant Harmfulness and Precautionary Statements

16.3. Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienist
ADR	European Agreement on Carriage of Dangerous Goods by Road
CLP	Regulation on the Classification, Labeling and Packing of Chemicals
DSD	Dangerous Goods Regulation (EC)
IARC	International Agency for Cancer Research
IATA	International Air Transport Association
ICAO	International Civil Aviation Authority
IDLHs	Dangerous for Life or Health Concentrations
IMDG	International Maritime Rules for Dangerous Goods
mg/m ³	The amount in milligrams of the substance found in 1 m ³ of air at 20 ° C and 101.3 KPa. (760 mm mercury pressure).
NIOSH	National Institute for Occupational Health and Safety
NTP	National Toxicology Program (USA)
OSHA	Occupational Safety and Health Administration (USA)
PEL	Permissible Exposure Limit
ppm	Amount in milliliters of 1 m ³ of airborne material (ml / m ³)
RID	International Regulations for the Transport of Dangerous Goods by Rail

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SEA	Regulation (TR) on Classification, Labeling and Packing of the Articles and Mixtures No. 28848 (Muk.) Dated 11 December 2013
STEL	Unless otherwise specified, the exposure upper limit value that should not be exceeded for a period of 15 minutes.
TWA	Time-weighted average measured or calculated for the 8-hour reference time