

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) .

Issue Date:23.12.2019
SDS Code: WM-CX-004-A

Control Date:

1 Identification of Material / Mixture and Company / Distributor

1.1. Identification of Material / Mixture

Trade Name: CERMIPROOF FF-A Component

1.2. Specified or recommended usage of substance/admixture

Two component, cement-based,elastic waterproofing material.

1.3. Details of the supplier of the MSDS

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

1.4. Emergency Telephone: +90 228 314 63 00(On weekdays, during working hours)

NATIONAL POISON INFORMATION CENTER: 114

2. Hazard Identification

2.1. Classification of the substance or mixture

Skin Irrt. 2	H 315 Causes skin irritation.
Skin Sens.1B	H 317 May cause an allergic skin reaction.
Eye Damage 1	H 318 Causes serious eye damage.
STOT SE-Category 3	H 335 May cause respiratory irritation.

2.2. Label Elements



GHS 05



GHS 07

Signal Word: Danger

Precaution

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P 280 Wear protective gloves / protective clothing / eye protection / face protection.
P 261 Avoid breathing dust / fume / gas / mist / vapor / spray.

Intervention

P 302 + 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 the contact lenses, if present and easy to do. Keep rinsing.

P 310 Call NATIONAL THE NATIONAL POISON ADVISORY CENTER (114) or physician / nursery.

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

P 405 Store locked up.

Disposal

P 501 Dispose of contents / container in accordance with local regulations.

2.3. Other Hazards

Portland cement clinker may cause an allergic reaction in some people due to include water soluble Cr (VI) in the dust.

3 Information on Composition / Contents

3.1. Materials

Not relevant information.

3.2. Mixtures

Material	CAS Number	Concentration (%)	H statements
Portland Cement	65997-15-1	>20%	H 315 Causes skin irritation. H 317 May cause an allergic skin reaction. H 318 Causes serious eye damage. H 335 May cause respiratory irritation.
Calcium carbonate	471-34-1	0-30	This material has not been classified as dangerous according to Directive 67/548 / EEC, 1272/2008 / EC and local regulations.

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Material	CAS Number	Concentration (%)	H statements
Calcium Sulphate (Anhydrite)	7778-18-9	0-3	This material has not been classified as dangerous according to Directive 67/548 / EEC, 1272/2008 / EC and local regulations.
Calcium Sulphate (Gypsum)	13397-24-5	3-8	This material has not been classified as dangerous according to Directive 67/548 / EEC, 1272/2008 / EC and local regulations.
Hydroxypropyl Methylcellulose	9004-65-3	0-0,2	This material has not been classified as dangerous according to Directive 67/548 / EEC, 1272/2008 / EC and local regulations.
Polypropylene	9003-07-0	0-0,2	This material has not been classified as dangerous according to Directive 67/548 / EEC, 1272/2008 / EC and local regulations.

4 First Aid Measures

4.1. Identification of First Aid Measures:

General information: Remove your contaminated clothes and wash them before reusing.

After breathing: Take out the victim to fresh air and hold it in a comfortable position for easy breathing. If coughing and other symptoms increase, consult medical attention. Long-lasting respirable crystallized silica may induce the formation of silicosis disease when exposed to exposure values exceeding the limits allowed.

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After skin contact: Wash with cold water and soap with neutral pH or a mild detergent. Request medical treatment when exposed to wet cement, cement mixes, fresh cement products, liquid or dry cement for a long time. If skin irritation is concerned: Medical assistance / intervention is required.

After eye contact: Continue to rinse for at least 15 minutes with eyelids open to remove all particles. Wash eyes thoroughly with water. Remove the contact lenses, if easy to remove and available. Keep rinsing. If eye irritation persists: Medical assistance / care is required.

If swallowing: Do not make the exposed person vomit. If he/she is conscious, make him/her drink plenty of water and call a doctor immediately. If the symptoms continue, call a doctor.

First-Aid self-protection: Protect your skin and eyes.

4.2 Most important symptoms and effects, both acute and delayed

It can cause irritation in the eyes and skin.

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

Treated symptomatically.

5 Fire Fighting Measures

5.1. Extinguishing media:

Suitable extinguishing media : Water, CO₂, KKT, Sand, Chemical Foam Extinguisher

Unsuitable extinguishing media : Intensive water currents

5.2. Special hazards arising from the substance or mixture

The decomposition of silicon dioxide (SiO₂) can produce toxic fumes of metal oxides. It may emit toxic and corrosive fumes.

5.3. Advice for firefighters

Use protective equipment commonly used in the event of a fire (protective gloves / protective clothing / eye protection / face protection materials, etc.).

6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

Avoid actions that will cause dust to form.

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Avoid breathing dust and contacting with skin. Use personal protective equipment.

6.2. Environmental precautions

Avoid mixing with drainage systems, soil or water.

Notify the competent authorities in case of water or sewerage pollution.

6.3. Methods and materials for containment and cleaning

Collect the dry material mechanically and store in a suitable (vacuum) container.

Prevent dust formation.

If the spreading product is wet, wait until it freezes.

Avoid breathing dust and contacting with skin. Keep children away during cleaning.

Use personal protective equipment.

6.4 References to other sections

Section to be reviewed: 13

7 Handling and Storage

7.1. Precautions for safe handling

Make sure that the necessary ventilation is done. If ventilation is inadequate, use respiratory protection. Avoid contact with skin, eyes or clothing. Use protective gloves / protective clothing / eye protection / face protective materials. Since the bags are heavy, it can cause a variety of physical aches during back and forth movement (back, waist, spine, arms and legs pain and irritation). Do not eat, drink, do not smoke while using the product.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a dry, cool, well-ventilated place.

Storage:

Storage temperature

:Environmental

Storage life

: Stable under normal conditions.

Incompatible materials

: Strong acids, acid chlorides, acid anhydrides, chloroformates should be avoided. Avoid contact with aluminum, copper and their alloys.

7.3. Specific final uses: Not specified.

8 Exposure controls / personal protection

8.1. Control parameters

8.1.1. Occupational Exposure Limits

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Name of Material	CAS No	Long-term TWA(8 hours) (mg/m ³)	Short-term STEL(15 mins) (mg/m ³)	Source
Portland Cement	65997-15-1	10	15(total) 5 (respirable)	ACGIH OSHA
Calcium carbonate (Limestone)	1317-65-13	-	15	OSHA
Calcium Sulphate (Anhydrite)	7778-18-9	10	15(total) 5 (respirable)	ACGIH OSHA
Calcium Sulphate (Gypsum)	13397-24-5	-	15	ACGIH OSHA
Polypropylene	9003-07-0	10(total) 3(respirable)		ACGIH OSHA

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide aspiration in powder form.

Technical protective measures always take precedence over personal protective equipment.

See Chapter 7.

8.2.2. Personal Protective Equipment

Ventilation: Ensure that the area is always well ventilated.

Protect the respiratory system: Avoid any action that may cause dust to form in the air. Cement dust may cause inflammation on the outer surfaces of the tissues inside the nose. Use CE certified respirators / masks.

Protection of skin: The product can cause allergic dermatitis in people with high sensitivity. (The product can contain a +6 valent chromium salt and its compounds or some toxic or dangerous chemical forms of other metals in the amount of cement work in its composition (less than 0,05%).) To protect the skin from prolonged contact, use gloves which are not permeable, resistant to abrasion and alkali reactions.

Eye protection: Use goggles to protect the product from dusting or splashing with water.

9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Dust can be in various colors depending on the product's characteristics.

Odor: Odorless

Physical status: Solid

Vapor pressure: Not applicable.

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Relative Density: 1.100-1.500 kg / m³
PH: approx. 12 (at 20 ° C) in mortar form
Boiling point: Not applicable.
Melting point: Not applicable.
Solubility in water: <50 gr / 1000 cm³

10 Stability and Reaction

10.1. Reactivity: No data available.

10.2. Chemical stability: It is stable under normal conditions.

10.3. Possibility of hazardous reactions: No dangerous reaction is known under normal conditions of use.

10.4. Conditions to avoid: Avoid contact with humidity.

10.5 Incompatible materials: Aluminum dusts and other alkaline and alkaline earth elements, Acids, ammonium salts and aluminum metal.

10.6. Hazardous decomposition products:

Aluminum dust reacts with alkali and other alkali metals, causing hydrogen gas to emit.

It can react with acids using oxygen (O₂) and releasing carbon dioxide (CO₂), which can create a danger of suffocation.

11 Toxicological Information

The information given is based on the data on components and on similar toxicological products.

11.1 Information on toxicological ethics

Total dust does not contain asbestos and contains less than 1% silica (10mg / m³)

OSHA PEL (Transition): Total Dust - 50 million particles / ft³

OSHA PEL (Result): Total Dust - 10 mg / m³

Respirable dust - 5 mg / m³

11.2 Acute toxicity

Portland Cement (CAS:65997-15-1)

LD50 : No data

IDLHs : 5000 mg/m³

Limestone (CAS:65997-15-1)

Oral (rat) LD50: 6450 mg/kg

Hydroxypropyl methyl cellulose (CAS: 9004-65-3)

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LD50 Oral - mammalian > 10.000 mg/kg
LD50 Intraperitoneal - rat - 5.200 mg/kg

11.3 Abrasion and irritation effect (Corrosivity and irritation)

Portland Cement (CAS:65997-15-1)

It is irritant on the membranes of the skin and mucosa.
Serious irritant in eyes.

Limestone (CAS:65997-15-1)

Skin (rabbit): 500 mg / 24 hours - Intermediate level
Eye (rabbit): 0.75 mg / 24 hours -

11.4 Skin corrosion / irritation and eye damage / irritation:

Causes skin irritation.
It causes allergic skin reactions.
Causes serious eye damage.

11.5 CMR effects (Carcinogenicity) :

The product contains high Portland cement.
Portland cement and other components aren't listed as carcinogens by NTP, OSHA or IARC.
However, substances listed by these organizations as carcinogens may contain trace amounts.

11.6 CMR effects (Mutagenicity and Toxicity for Reproduction):

The reason for the lack of classification: Definite but not enough for classification.

11.7 Other Toxicological Effects:

Allergic Effects	No data
Sensitiveness	Sensitivity is not expected when used in the shelf life.
Developmental toxicity (Teratogenicity)	No
Fertility	No
Toxicokinetics	No data

11.8 STOT- Single / repeated exposures

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13.2 Additional Information: If this product has been altered or contaminated with other dangerous substances, waste analysis may be necessary to determine the appropriate method for disposal.

14 Transportation Information

14.1 UN number :Not relevant

14.2 Suitable UN transportation name :Not relevant

14.3 Transportation hazardous classification(s) :Not relevant

14.4 Group of packaging :Not relevant

14.5 Environmental damages :Not relevant

14.6 Special precautions for users :Not relevant

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 mixture

This safety data sheet has been prepared / approved by accredited and authorized personnel in accordance with the requirements of the Regulation on Safety Data Sheets on Hazardous Substances and Mixtures (13/12 / 2014-29204). The Regulation on Classification, Labeling and Packing of the Articles and Mixtures dated 11/12/2013 has been taken into consideration in the classification.

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

Certificate validity date : 17.01.2021

16.2. Relevant Harmfulness and Precautionary Statements

H 315 Causes skin irritation.

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- H 317 May cause an allergic skin reaction.
H 318 Causes serious eye damage.
H 335 May cause respiratory irritation.

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/m³	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
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

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SDS Code:WM-CX-004

Control Date:25.06.2020

1. Identification of the substance/admixture and Company/Distributor

1.1. Identification of the substance/admixture

Trade name : CERMIPROOF FF-B COMPONENT

1.2. Specified or recommended usage of substance/admixture

Acrylic based, dispersion, synthetic polymer.

This SDS have been prepared for B component of this product.

Must be mixed with Component A. Follow the instructions about mixing ratio on TDS.

1.3. Details of the supplier

Manufacturer: 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 and overtime period)

NATIONAL TOXICITY INFORMATION CENTER : 114

2. Hazard Identification

2.1. Classification of the substance or admixture

Aquatic Acute 1. H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects

2.2. Label Elements



GHS 09

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Signal word: Caution

2.3. Other Hazards.

Precaution

P273 Avoid release to the environment.

Prevention

P 391 Collect spillage.

Disposal

P 501 Dispose of contents/container according to local/national legislations.

2.1.Other Hazards

No.

3 Information of Composition/Ingredients

3.2. Admixture

Material	CAS No	Concentration (%)	H Descriptions
Styrene Acrylic Copolymer	-	>%40	This material has not been classified as dangerous according to Directive 67/548 / EEC, 1272/2008 / EC and local regulations.
Ammonia(%...)	1336-21-6	<%0,3	Skin Irr. 1B.H314 Causes severe skin burns and eye damage. Eye Damage 1.H318 Causes serious eye damage STOT Single Exp. H335 May cause respiratory irritation. Aquatic Acute 1. H400 Very toxic to aquatic life.

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Biocide additive	-	0-0,1	Acute Tox. 4 H 302 Harmful if swallowed. Acute Tox.4 H 312 Harmful in contact with skin. Acute Tox 4. H 332 Harmful if inhaled Skin Irr. 1B H 314 Causes severe skin burns and eye damage Skin Sens.1 H 317 May cause an allergic skin reaction Aquatic Acute 1 H 400 Very toxic to aquatic life Aquatic Chronic 1 H 410 Very toxic to aquatic life with long lasting effects
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4 First Aid Measures

4.1. Identification of First Aid Measures:

General information: Remove your contaminated clothes and wash them before reusing.

After breathing: Take out the victim to fresh air and hold it in a comfortable position for easy breathing. If coughing and other symptoms increase, consult medical attention.

After skin contact: Wash with cold water and soap with neutral pH or a mild detergent.

After eye contact: Continue to rinse for at least 15 minutes with eyelids open to remove all particles. Wash eyes thoroughly with water. Remove the contact lenses, if easy to remove and available. Keep rinsing.

If swallowing: Do not make the exposed person vomit. If he/she is conscious, make him/her drink plenty of water and call a doctor immediately. If the symptoms continue, call a doctor.

First-Aid self-protection: Protect your skin and eyes.

4.2 Most important symptoms and effects, both acute and delayed

It can cause irritation and redness on skin with long term exposure.

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

Treat symptomatically.

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5 Fire fighting measures

5.1. Extinguishing media

Suitable Extinguishing Equipments: Alcohol resistance foam ,CO₂.,powders,water spray

Unsuitable Extinguishing Equipments : Water jet

5.2. Special hazards arising from the substance or admixture

It might be released irritative gas during fire.

5.3. Advices for firefighters

Use suitable protective clothing and gas mask for fire condition. Do not allow the materials used in fire-fighting to send into the water sources and drainages.

6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

As mentioned in Section 8, wear protective clothes.Avoid contact with skin and eyes.Avoid inhaling the vapors or gases.

6.2. Environmental precautions

Prevent mix into drainage,earth or water.

In case of mixing to water or sewage,give information to component authority.

6.3. Methods and material for containment and cleaning up

Stop the leakage providing that dangerless. Soak the seepage with vermiculite,dry sand or earth and put into protective containers.Wash contaminated area with plenty of water. Prevent spillage or contaminated liquid lake into sewage,conduit-type sewer or entrance of water sources.

Keep away children during cleaning.

Use protective equipment

6.4 Reference to other sections

Seciton(s) to be rewieved: 138

7 Handling and storage

7.1. Precautions for safe handling

Ensure adequate ventilation. In case of ventilation is not enough,use protective equipment. Avoid contamination to your skin,eyes and clothes.Do not eat or drink anything while using this product.Do not smoke.

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7.2. Conditions for safe storage, including any incompatibilities

Storage :

Store in dry,cool,ventilated place.It must be closed.

Storage Temperature: Environmental

Storage Period: Stable under normal conditions.

Incompatible materials: Not enough information.

7.3. Specific and uses : No more important information.

8 Exposure controls/personal protection

8.1.Control parameters

8.1.1. Occupational Exposure Limits

Material Name	CAS Number	Long term TWA(8 hour) (mg/m ³)	Short Term STEL(15 min) (mg/m ³)	Source
Ammonia	1336-21-6	25	35	OSHA PEL

8.2.Exposure controls

8.2.1.Suitable engineering control methods

Ensure adequate ventilation and avoid inhaling vapors.

Technical protection precautions have priority on personal protective equipment.

See Section 7.

8.2.2. Personal Protective Equipment

Ventilation:Ensure adequate ventilation is done.

Protection of Respiration System : In case of pollution on air is extend,use respiratory protector mask.

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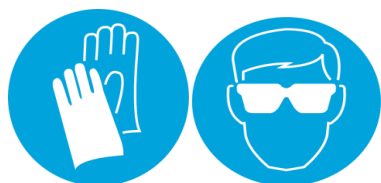
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Protection of skin :Avoid contact with skin.Use resistant to chemical,waterproof gloves.

Protection of eyes:In case of splashing of chemicals, use protective gloves or face shield



9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Liquid
Colour :	White/Whitish
Odor:	Light, characteristic
Boiling Point :	About 100° C
Melting and Freezing Point:	-
Relative Density:	0,9-1,2 g/cm ³
pH:	About 8
Vapour Pressure:	24mbar (at 20°C)
Solubility in water :	Soluble
Flash point:	60-70 °C

10 Stability and reactivity

10.1. Reactivity :Not available information.

10.2. Chemical stability : Stable under storage conditions.

10.3. Possibility of hazardous reactions: No

10.4. Conditions to be avoided : No

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

10.6. The harmful products of decompositions : Release toxic materials such as carbone dioxide,carbone monoxide during fire.

11 Toxicological information

11.1 Information on toxicological effects.

11.2 Acute toxicity

Important LD / LC50 - values (toxicological experiment values)

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Styrene Acrylic Copolymer
Oral LD50 > 2000 mg/kg (rat)
107-21-1 Ethylene glycol
Oral LD50 = 4700 mg/kg (rat)
Biocide Additive
Oral LD50= 1600 mg/kg(rat) Dermal LD 50>6000 mg/kg(rat)

11.3 Abrasion and irritation effect (Corrosivity and irritation)

Inhalation: High concentrations of product's gase or vapor could be irritate of inhalation system. It may cause cough after overdose exposure.

Swallowing: When the product have been swallowed,it may cause disease.

11.4 Skin corrosion / irritation and eye damage / irritation:

Contact with skin: It may cause sensitiveness on skin.

Contact with eyes: In case of splashing of vapor or spray of this product's may cause irritation on eyes.

11.5 CMR effects (Carcinogenicity) :

Not available information.

11.6 CMR effects (Mutagenicity and Toxicity for Reproduction): Not enough information.

11.7 Other Toxicological Effects:

Allergic Effects	No data
Sensitiveness	Sensitivity is not expected when used in the shelf life.
Developmental toxicity	No

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(Teratogenicity)	No
Fertility	No
Toxicokinetics	No data

12 Ecological Informations

12.1. Toxicity:

Styrene Acrylic Copolymer(Cas:---)

Acute Toxicity-fish: LC₅, 96 hours:>100 mg/l (OECD Guideline 203,static) mg/l ,Fish

Acute Toxicity-aquatic invertebrates: EC₅,48 hours:>100 mg/l(OECD Guideline 202,part 1,static)mg/l,daphnia

Acute toxicity-aquatic plants: IC₅,72 hours:>100 mg/l,(OECD Guideline 201) mg/l,Algae

Aquaous Ammonia(CAS: 7664-41-7)

Toxicity on daphnia and another aquatic invertebrates:

LC50 - Daphnia magna (Defne) - 25,4 mg/l - 48 h

12.2. Persistence and degradability:

Styrene Acrylic Copolymer: <70%,28 gün OECD 303 A

12.3. Bioaccumulative potential:No appropriate data.

12.4. Mobility in soil: The product can mix with water and can expand into water systems.

12.5. Results of PBT and assesments: Not classified as PBT or vPvB.

12.6. Other adverse effects: Don't let release on environment.

Reviw the sections 6,7,13,14 ve 15.

13 Disposal Informations

Diposal : Don't send to soil,drainage or water sources. All disposal methods must be suitable accordance with city and region laws and regulations.

These laws and regulations depend on regions.The manufacturer is only responsible for laws of waste and its characteristic features.

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Recommended EWC Code for disposal: 04 02 16 Dyestuffs and pigments containing dangerous substances

14 Transport Information

14.1 UN Number

· ADR, ADN, IMDG, IAT : No data

14.2 Suitable UN transport name

· ADR, ADN, IMDG, IATA : No data.

14.3 Transport Hazardous Class

· ADR, ADN, IMDG, IATA : No data

14.4 Packaging Group

· ADR, IMDG, IATA No data

14.5 Environmental Hazardous

· Marine pollutant: No

14.6 Special Preventions for Users : Not applicable

14.7 According to MARPOL 73/78 ek II ve IBC code bulk transport :Not applicable

15. Regularity Information

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

This safety data sheet has been prepared / approved by accredited and authorized personnel in accordance with the requirements of the Regulation on Safety Data Sheets on Hazardous Substances and Mixtures (13/12 / 2014-29204). The Regulation on Classification, Labeling and Packing of the Articles and Mixtures dated 11/12/2013 has been taken into consideration in the classification.

16.Other Informations

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).

Issue Date:02.12.2016
SDS Code:WM-CX-004

Control Date:25.06.2020

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

Certificate validity date : 17.01.2021

16.2. Relevant Harmfulness and Precautionary Statements

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

P273 Avoid release to the environment.

P 391 Collect spillage.

P 501 Dispose of contents/container according to local/national legislations.

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

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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/m³	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
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

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