**1.Identification of the substance**

 **1.1 Trade Name:** BETTOMENT

 **1.2 The purpose of the material:** Concrete concribution material

 **1.3 Manufacturer / Supplier:**

BETTON Yapı Kimyasalları San. ve Tic. Ltd. Şti.

 DES Sanayi sitesi 112. Sokak D2 Blok No: 2 Ümraniye / İSTANBUL

 TEL : 00- 90- 216- 314- 12 11

 FAX: 00- 90- 216- 364- 62 54

 **Emergency information:**Quality Assurance Deparment : +90.216.314.39.36

**2. Hazard İdentification**

 **2.1 The classification of substances and mixtures:**

Acute toxicity (dermal, inhalation,oral), Category 3, H301+H311+H331: Toxic is swollowed,

in contact with skin or if inhaled

Skin corrosion / irritation, Category 1B,H314: Causes severe skin burns and eye damage.

Skin sensitisation, Category 1,H317: May cause an allergic skin reaction

Germ cell mutagenicity, Category 2,H341: Suspected of causing genetic defects.

Carcinogenicity, Category 1B, H350: May cause cancer.

**2.2 Label elements:**

 GHS05 GHS06 GHS08

  

H301+H311+H331: Toxic is swollowed, in contact with skin or if inhaled

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H341: Suspected of causing genetic defects.

H350: May cause cancer.

**2.3 Other Hazard**: None

 **3. Composition / Data on Components**

 **3.1 Mixtures:** Water reducer; melamine sulfonate aqueous solution

 **3.2 Materials:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Mixture | EC number | Cas number | Concentration | SEA |
| **Class H expressions** |
| Formaldehyde |  **-** | 50-00-0 | < % 0,2 | Acute toxicity,Category 3: H311Acute toxicity(inhalation), Category 3, H331Acute toxicity(oral), Category 3, H301Skin corrosion/irritation, Category 1B, H314Skin sensitisation, Category 1, H317Germ cell mutagenicity,Cateogory2,H341Carcinogenicity, Category 1B, H350 |

**4.First aid Measures**

 **4.1General information:** In terms of material usage, althoughnot harmfull to human health;

 Observe the general first aid.

**4.2 Inhalation:** Remove the affected person to fresh air

 Keep the patient warm and you rest

 If breathing is irregula, give artificial respiration

 Do not give anything by mouth

 If symptoms persist, colsult a doctor

 **4.3 Skin Contact:** Wash the affected area with soap and plenty of water. Consult a doctor if

 İrritation persist

 **4.4 Eye Contact:** Wash immediately with plenty of water

 **4.5 İngestion:** Drink plenty of water if the person is conscious.Do not induce vomiting and

 Seek medical advice.

 **Doctoral notes:**

 **Symptoms:** According to the best of our knowladge; experience regarding the effects of

 Acute and chronic systemic health are not available.

 **Treatment:** There is no known antidate

**5.Fire Fighthing Measures**

 **5.1 Suitable extinguishing agents:** Water jet; Carbon dioxide, Foam, Dry powder

 **5.2 Fire extinguishers should not be used**

 **5.3 Combustion special damages in the form of exposure to emerging gas:** After drying

 Carbon dioxide anf sulfur oxides and ammonia will occur.

 **5.4 Protective Equipment:** Use breathing apparatus in case of fire

**6.Accidental Release Measures**

 **6.1 Personal Precations:** Protective glasses, plastic or rubber gloves, protective overalls

 **6.2 Environmental Precations:** The water channels, do not let the soil and the sanitory

 Sewer system

 **6.3 Method for cleaning up:** Collect the product. Transfer into suitable containers for

 Recycling and sluices to.

 **Additional İnformation:**

**7. Handling and Storage**

 **7.1 Handling:**

 **7.1.1 Safe Handling İnformation:** No special measures required

 **7.1.2 Protection againts fire and explosion:** No special measures required

 **According to the legislation on flammable liquids class:** None

  **7.2 Storage:**

 **7.2.1 Measures to be taken during storage:** There is no need for special conditions

 **7.2.2 Measures to be taken in public landfills:** There is no need

 **7.2.3 More information about storage:** Storage in a dry place prevents or at least

 reduces the accumulation dust.

 **According to the legislation on flammable liquids class:**  None

**8.Exposure controls / Personal protection**

 **8.1 Exposure limit values:**

 **8.2 Exposure controls**

 **8.2.1 Occontrolscupational exposure**

 **General protection and hygiene measures:**

Due to general precations for the use of substances should be thick.

 Wash hands in breaks and after work

 Use protection cream for skin protection

 **8.2.1.1 Respiratory protection:** You do not need a special prevention

 **8.2.1.2 Protection of hands:** Rubber gloves are

 **8.2.1.3 Eye protection:** Goggles

 **8.2.1.4 Skin protection:** Normal business attire

 **Environmental exposure controls:** The water channels, do not let the soil and the sanitory

 sewer system.

**9.Phsical and Chemical Properties**

**9.1 General İnformation:**

 **9.1 1 The physical state of matter:** Liquids

 **9.1.2 Odor**

 **9.1.3 Color:** Transparent colorless

**Value Method**

**Change in status**

**Melting Point / Melting Range** Not applicable

**Boiling Point / Boiling Range** 95- 105 0 C

**Flaspoint** Not applicable

**Self- Flammability** Product itself is not combustible

**Risk of explosion** Product is not explosive

**Thermal decamposition >** 720 0 C

**Dansity at 20 0 C** About 1,162- 1,222 g / cm3

**Solubility in water / water- miscible** Water – miscible products

**PH at 20 0 C** 9,0 – 12,0

**10.Stability and Reactivity**

 **Dangerous decomposition products:** No

 **Dangerous reactions:** No

**11. Toxicological Data**

 **General Toxicity information:**

 **Acute oral toxicity ( LD50, mouse):** 5000 mg/kg higher ( on a solids basis)

 **Skin irritating:** Not irirtating

 **Mutagenic:** Not mutagenic in the AMES test

 **Other İnformation:** May cause sensitization in susceptible people.

**12. Ecological İnformation**

 **BOD:**  33 mg / g

 **COD:** 360 mg / g

 **Fish Poisoning:**

LC50 : > 560 mg/ l ; 48 hour ( Lecissus idus )

 **Poisoning for bacteria:**

 **EC10:** 1800 mg / l ( Pseudomonas putia )

 **Other information:** The water channels, do not let the soil and the sanitory sewer system

**13. Disposal İnformation**

Adherence to local lagislation acceptable to the sewage treatment plant.

**14. Transport İnformation**

Regulations on the Transport of Dangerous Goods by Road ( RG24.10.2013- number 28801)

has been taken in to account.

**ADR / RID / IMDG / IATA**

For this product ADR, RID, IMDG VE ICAO ( IATA ) transport rules do not apply.

**14.1 UN No:** Not applicable

**14.2 Proper shipping name**: Not applicable

**14.3 Class**: Not applicable

**14.4 Packaking group**: Not applicable

**14.5 Environmental hazards**: Not applicable

**14.6 Special precations for user**: Not applicable

**14.7 Annex II of MARPOL 73/78 and the IBC code by public transport**: Not applicable

**Other İnformation:** This products is not classified as dangerous goods in any transport

legislation.

**15. Regulatory İnformation**

 **Labelling:** According to EC directive on the labeling of preparations; Danger symbol is

 not required.

 **The code letter and hazard markers product:** There is no danger icon.

 **Danger of determining components of labeling :**

**16. Other İnformation**

This data is based on our presenre knowledge. However, they shall not constitute a

guarentee for any specific product features and hall not legally valid contractual relationship.

**Precautionary statements:**

P102: Keep out of reach of chidren.

P302+P352: IF ON SKIN: Wash with plenty of water

P501: Dispose of contents / container to…..

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