

## **SAFETY DATA SHEET**

According to Regulation (EC) No. 2015/830

### **SECTION 1. Identification of the substance/mixture and of the company/undertaking**

#### **1.1. Product identifier**

Code **FLOOR 2K**  
Product name **ISONEM FLOOR 2K - B COMPONENT**

#### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

Intended use **Two-component, solvent free epoxy resin based primer**

#### **1.3. Details of the supplier of the safety data sheet**

Name **ISONEM BOYA VE YALITIM TEKNOLOJILERI INS. SAN. TIC. A.S.**  
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TURKEY**  
Tel. **+90 232 799 04 95**  
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e-mail address of competent person responsible for safety data sheet **isonem@isonem.com.tr**

#### **1.4. Emergency telephone number**

For urgent inquiries refer to **+90 232 799 04 95**

### **SECTION 2. Hazards identification**

#### **2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

##### **2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments**

|                   |      |
|-------------------|------|
| Eye Dam. 1        | H318 |
| Acute Tox. 4      | H302 |
| Acute Tox. 4      | H312 |
| Skin Sens. 1      | H317 |
| Aquatic Chronic 3 | H412 |

#### **2.2. Label elements**

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.



|                           |  |
|---------------------------|--|
| <b>Signal words:</b>      | <b>Danger</b>  |
| <b>H302 + H312</b>        | Harmful if swallowed or in contact with skin   |
| <b>H318</b>               | Causes serious eye damage.   |
| <b>H317</b>               | May cause an allergic skin reaction.   |
| <b>H412</b>               | Harmful to aquatic life with long lasting effects  |
| <b>P101</b>               | If medical advice is needed, have product container or label at hand   |
| <b>P102</b>               | Keep out of reach of children  |
| <b>P103</b>               | Read label before use  |
| <b>P261</b>               | Avoid breathing dust/fume/gas/mist/vapours/spray   |
| <b>P264</b>               | Wash thoroughly after handling   |
| <b>P272</b>               | Contaminated work clothing should not be allowed out of the workplace  |
| <b>P280</b>               | Wear protective gloves/protective clothing/eye protection/face protection  |
| <b>P302 + P352</b>        | IF ON SKIN: Wash with plenty of water/...  |
| <b>P305 + P351 + P338</b> | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| <b>P310</b>               | Immediately call a POISON CENTER/doctor  |
| <b>P333 + P313</b>        | If skin irritation or rash occurs: Get medical advice/attention.   |
| <b>P501</b>               | Dispose of contents/container in accordance with local and national regulations.   |

### 2.3. Other hazards

Information not available.

## SECTION 3. Composition/information on ingredients

### 3.1. Substances

Information not relevant.

### 3.2. Mixtures

| Component / CAS No.   | CAS No     | EC No | %    | Classification according to Regulation (EC) No 1272/2008 (CLP)  |
|---|------------|-------|------|---|
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine  | 2855-13-2  | -     | < 50 | Skin Corr. 1A H314<br>Acute Tox. 4 H302<br>Acute Tox. 4 H312<br>Skin Sens. 1 H317<br>Aquatic Chronic 3 H412 |
| Benzyl alcohol  | 100-51-6   | -     | < 50 | Acute Tox. 4 H302<br>Acute Tox. 4 H332<br>Eye Irrit. 2 H319   |
| Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer | 68609-08-5 | -     | > 20 | Skin Sens. 1 H317   |

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

#### Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. If symptoms persist, consult a doctor.

**Skin Contact:**

Remove contaminated clothing and shoes without delay. Wash immediately with plenty of water. Do not reuse contaminated clothing without laundering. Get medical attention if pain or irritation persists after washing or if signs and symptoms of overexposure appear.

**Ingestion:**

Do not induce vomiting; call for medical help immediately. If symptoms persist consult doctor.

**Inhalation:**

Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

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

None known

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

Not applicable

**SECTION 5. Firefighting measures**

**5.1. Extinguishing media**

SUITABLE EXTINGUISHING EQUIPMENT  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT  
None in particular.

**5.2. Special hazards arising from the substance or mixture**

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE  
Do not breathe combustion products.

**5.3. Advice for firefighters**

GENERAL INFORMATION  
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS  
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

**SECTION 6. Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures.**

Wear protective equipment. Keep unprotected persons away.

**6.2. Environmental precautions**

Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations..

#### **6.4. Reference to other sections**

Any information on personal protection and disposal is given in sections 8 and 13.

## **SECTION 7. Handling and storage**

### **7.1. Precautions for safe handling**

Before handling the product, consult all the other sections of this safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

### **7.2. Conditions for safe storage, including any incompatibilities**

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### **7.3. Specific end use(s)**

Information not available.

## **SECTION 8. Exposure controls/personal protection**

### **8.1. Control parameters**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### **8.2. Exposure controls**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

#### **HAND PROTECTION**

Nitrile or fluorinated rubber gloves. Consider the porosity and elasticity data of the glove manufacturer and the specific conditions in the work place. Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility etc) is noticed.

#### **SKIN PROTECTION**

Wear impermeable gloves and suitable protective clothing.

Since this product is absorbed through the skin, care must be taken to prevent skin contact and contamination of clothing.

Avoid skin contact.

#### **EYE PROTECTION**

Wear eye/face protection such as chemical splash proof goggles or face shield.

#### **RESPIRATORY PROTECTION**

Not necessary if room is well-ventilated.

## **SECTION 9. Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

#### **Appearance**

Colour

#### **Liquid**

Transparent

|  |                |
|--|----------------|
| Odour                                  | Not available  |
| Odour threshold.                       | Not available  |
| pH                                     | Not available  |
| Melting point / freezing point.        | Not available  |
| Initial boiling point.                 | Not available  |
| Boiling range.                         | Not available  |
| Flash point.                           | Not applicable |
| Evaporation Rate                       | Not available  |
| Flammability of solids and gases       | Not available  |
| Lower inflammability limit.            | Not available  |
| Upper inflammability limit.            | Not available  |
| Lower explosive limit.                 | Not available  |
| Upper explosive limit.                 | Not available  |
| Vapour pressure.                       | Not available  |
| Vapour density                         | Not available  |
| Relative density.                      | Not available  |
| Solubility                             | Not available  |
| Partition coefficient: n-octanol/water | Not available  |
| Auto-ignition temperature.             | Not available  |
| Decomposition temperature.             | Not available  |
| Viscosity                              | Not available  |
| Explosive properties                   | Not available  |
| Oxidising properties                   | Not available  |

## **SECTION 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**

The product is stable in normal conditions of use and storage.

### **10.3. Possibility of hazardous reactions**

Reacts with strong acids and oxidising agents.

### **10.4. Conditions to avoid**

No decomposition if used and stored according to specifications.

### **10.5. Incompatible materials**

Information not available.

### **10.6. Hazardous decomposition products**

No decomposition if used and stored according to specifications

## **SECTION 11. Toxicological information**

### **11.1. Information on toxicological effects**

· Acute toxicity

Harmful if swallowed or in contact with skin.

- LD/LC50 values relevant for classification:  
100-51-6 Benzyl alcohol  
Oral LD50 1230 mg/kg (rat)  
Dermal LD50 2000 mg/kg (rabbit)
- Primary irritant effect:  
· Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation  
Causes serious eye damage.  
Respiratory or skin sensitisation  
May cause an allergic skin reaction.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)  
· Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

## **SECTION 12. Ecological information**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### **12.1. Toxicity**

Information not available.

### **12.2. Persistence and degradability**

Information not available.

### **12.3. Bioaccumulative potential**

Information not available.

### **12.4. Mobility in soil**

Information not available.

### **12.5. Results of PBT and vPvB assessment**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### **12.6. Other adverse effects**

Information not available.

## **SECTION 13. Disposal considerations**

### **13.1. Waste treatment methods**

#### **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### **· Uncleaned packaging:**

- Recommendation: Disposal must be made according to official regulations.

## **SECTION 14. Transport information**

- 14.1 UN-Number UN2735
- ADR, IMDG, IATA
- 14.2 UN proper shipping name 2735 AMINES, LIQUID, CORROSIVE, N.O.S., mixture
- ADR AMINES, LIQUID, CORROSIVE, N.O.S., mixture
- IMDG, IATA
- 14.3 Transport hazard class(es)
- ADR, IMDG, IATA
- Class 8 Corrosive substances.
- Label 8
- 14.4 Packing group
- ADR, IMDG, IATA III
- 14.5 Environmental hazards:
- Marine pollutant: No
- 14.6 Special precautions for user Warning: Corrosive substances.
- Danger code (Kemler): 80
- EMS Number: F-A,S-B

## **SECTION 15. Regulatory information**

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

- No further relevant information available.

### **15.2. Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

## **SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

### **LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation - WGK: Water hazard classes (German).

### **GENERAL BIBLIOGRAPHY**

Annex II to Regulation (EC) No. No. 1907/2006 (REACH)  
Commission Regulation EU No. 830/2015 of 28 May 2015  
Directive 1999/45/EC and following amendments  
Directive 67/548/EEC and following amendments and adjustments  
Regulation (EC) 1907/2006 (REACH) of the European Parliament  
Regulation (EC) 1272/2008 (CLP) of the European Parliament  
Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament  
Regulation (EC) 453/2010 of the European Parliament  
The Merck Index. - 10th Edition  
Handling Chemical Safety  
Niosh - Registry of Toxic Effects of Chemical Substances  
INRS - Fiche Toxicologique (toxicological sheet)  
Patty - Industrial Hygiene and Toxicology  
N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

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