

According to Regulation (EU) No 2015/830

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier****Product name** IZONET 144**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Flash Powder**1.3. Details of the supplier of the safety data sheet****Supplier**

INKIM INSAAT KIMYASALLARI SAN. TIC. A.S..

Maslak Mah. Maslak Meydan Sk. A Blok Sitesi Beybi Giz Plaza Blok No:1 İc Kapi No: 55 Sarıyer/İSTANBUL

Tel : 0850 307 41 69

Faks : 0850 522 34 03

e-mail : info@inkimkimya.com.tr**Contact Person** Bilgin AKTAS**1.4. Emergency telephone number**

TEL: +90 850 307 41 69

2. SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

Mixture.

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Irrit. 2; H315 Causes skin irritation

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

Eye Dam. 1; H318 Causes serious eye damage

STOT SE 3; H335 May cause respiratory irritation

2.2. Label elements**Hazard pictograms****Signal word** : Danger**Hazard statements**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statements

P264 Wash . . . thoroughly after handling.

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

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310 Immediately call a POISON CENTER or doctor / physician.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

None known.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

Mixture.

3.2. Mixtures

Identification	EC No.	Cas No.	Conc. (a/a, %)	Classification (1272/2008 CLP)
----------------	--------	---------	----------------	--------------------------------



SAFETY DATA SHEET

Issue Date: 01.03.2023
Revision Date: -
Revision No.: 00
Page No.: 2/5

IZONET 144

Portland cement	266-043-4	65997-15-1	70 - 90	Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317
Additives	-	-	1 - 10	-

4. SECTION 4: First aid measures

4.1. Description of first aid measures

Eye contact : Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

Inhalation : In case of exposure to high concentrations of dust: move the affected person away from the contaminated area and into the fresh air.

Skin contact : Watch out for any remaining product between skin and clothing, watches, shoes, etc.. Wash with soap

Ingestion : Seek medical attention, showing the label.

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

No specific data.

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

No specific data. Follow doctor's orders.

5. SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Non-flammable.

Unsuitable extinguishing media : Non-flammable.

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

5.3. Advice for firefighters

No data available.

6. SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. More information about personal precautions available in section 8.

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming): do not generate dust.

6.4. Reference to other sections

Sections 7, 8 & 13.

7. SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Always wash hands after handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep the container tightly closed in a well ventilated place. Keep the container away from dampness. Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

Information not available.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

Particles not otherwise specified/classified

UK / WEL (Workplace exposure limits, EH40/2005, 2007): Total Dust TWA=10mg/m³ Respirable dust TWA=4mg/m³

ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010): Respirable particles TWA =3 mg/m³

Inhalable particles TWA=10mg/m³

USA / OSHA PEL (Occupational Safety and Health Administration, Permissible Exposure Limits): Respirable particles TWA=5mg/m³ Total

Particles TWA=15mg/m³

IZONET 144

- 8.2. Exposure controls**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
- Eye/face protection** : Avoid contact with eyes. Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.
- Hand protection** : Wear suitable protective gloves in the event of prolonged or repeated skin contact.
- Skin and body** : Working clothes.
- Respiratory protection** : Avoid breathing dust.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	: Powder
Colour	: Grey
Odour	: Odourless
Odour threshold	: Not available
Solubility	: Completely mixes with water
Boiling point	: Not available
Melting point	: Not available
pH Value (aqueous solution)	: 10.5 – 11.0 (10%)
Flash point	: Not applicable
Evaporation rate	: Not available
Flammability of solids and gases	: Not applicable
In flammability limit	: Not applicable
Density	: Not applicable
Decomposition temperature	: Not available
Viscosity	: Not available
Partition coefficient: n-octanol/water	: Not applicable
Explosive properties	: Not available
Oxidizing properties	: Not available

- 9.2. Other information**
Information not available.

10. SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity**
In contact with water, the product reacts chemically and hardens into stable hydrates.
- 10.2. Chemical stability**
This mixture is stable under the recommended handling and storage conditions in section 7.
- 10.3. Possibility of hazardous reactions**
None under normal conditions.
- 10.4. Conditions to avoid**
Avoid: formation of dusts, humidity.
- 10.5. Incompatible materials**
None, to our knowledge.
- 10.6. Hazardous decomposition products**
Information not available.

11. SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

No data available.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

Skin corrosion/skin irritation:

Corrosivity:

No observed effect.

Species : Rabbit

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious damage to eyes/eye irritation:

Dust may cause slight irritation to the ocular mucous membranes due to the presence of a foreign body.

Corneal haze : Average score < 1

Duration of exposure : 72 h

IZONET 144

Iritis:	Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion) Average score < 1 Duration of exposure : 72 h
Conjunctival redness:	Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion) Average score < 2 Duration of exposure : 72 h
Conjunctival oedema:	Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion) Average score < 2 Duration of exposure : 72 h
Respiratory or skin sensitization:	Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion)

In accordance with the requirements REACH Annex XVII, art. 47, the cement does not contain quantities of soluble hexavalent chromium > 2 ppm, measured according to EN 196-10

Specific target organ systemic toxicity - single exposure:
Dust from this product may cause irritation to the respiratory tract.

12. SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity****12.1.1. Substances**

CEMENT, ALUMINA, CHEMICALS (CAS: 65997-16-2)

- Fish toxicity:

CL50 > 100 mg/l - NOEC > 100 mg/l

Oncorhynchus mykiss - 96 h - OECD 203

- Crustacean toxicity:

CE50 = 6.6 mg/l - NOEC = 1.8 mg/l

Daphnia magna - 48 h - OECD 202

- Algae toxicity:

CEr50 > 5.6 mg/l - NOEC = 3.2 mg/l

Pseudokirchnerella subcapitata - 72 h - OECD 201

12.1.2. Mixture

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

After hydration (several hours or several days under humid conditions), the product is stable in soil and in water, with a negligible mobility of its components.

12.3. Bio accumulative potential

Not relevant because cement is inorganic.

12.4. Mobility in soil

Not relevant because cement is inorganic.

12.5. Results of PBT and vPvB assessment

The mixture does not satisfy the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006.

12.6. Other adverse effects

Information not available.

13. SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. SECTION 14: TRANSPORT INFORMATION**14.1. UN Number**

UN No. (ADR/RID/ADN)

Not regulated as a dangerous good.

UN No. (IMDG)

Not regulated as a dangerous good.

UN No (ICAO)

Not regulated as a dangerous good.

14.2. UN proper shipping name

Not regulated as a dangerous good.

14.3. Transport hazard class(es)



SAFETY DATA SHEET

Issue Date: 01.03.2023

Revision Date: -

Revision No.: 00

Page No.: 5/5

IZONET 144

Not regulated as a dangerous good.

14.4. Packing group

Not regulated as a dangerous good.

14.5. Environmental hazards

Not regulated as a dangerous good.

14.6. Special precautions for user

Not regulated as a dangerous good.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not regulated as a dangerous good.

15. SECTION 15: REGULATORY INFORMATION

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

The product doesn't need to be classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 [CLP].

15.2. Chemical Safety Assessment

No data available.

16. SECTION 16: OTHER INFORMATION

Full text of abbreviated H statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation

Full text of classifications [CLP/GHS]

Not applicable.

Abbreviations and acronyms

ADR : The European Agreement concerning the International Carriage of Dangerous Goods by Road

AND : European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways

Cas No : Chemical Abstracts Service

EC No : European Community Number

IATA : International Air Transport Association

ICAO-TI : Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG : International Maritime Dangerous Goods Code

UN : United Nations

MARPOL 73/78: The International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78)

ATE : Acute Toxicity Estimate

CLP : Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DMEL : Derived Minimal Effect Level

DNEL : Derived No Effect Level

EUH statement: CLP-specific Hazard statement

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

RRN : REACH Registration Number

vPvB : Very Persistent and Very Bioaccumulative

Sources of key data

Literature data and/or investigation reports are available through the manufacturer.

Note for users

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper use.

History

Date of printing : 01.03.2023

Date of issue : 01.03.2023

Version : 00