 <p>ISONEM® "Boya & Yalıtım Teknolojileri" Paint & Insulation Technologies™</p>	<p align="center">SAFETY DATA SHEET</p> <hr/> <p align="center">ISONEM MD 28 A COMPONENT</p>	<p>Issue Date: 01.10.2015 Revision Date: 30.01.2025 Revision No.: 01 Page No.: 1/9</p>
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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 ISONEM MD 28 A COMPONENT

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

Identified uses Flexible Waterproofing Compound

1.3. Details of the supplier of the safety data sheet

Supplier ISONEM BOYA VE YALITIM TEKNOLOJILERI INS. SAN. TIC. A.S.
ITOB OSB 10001 Sk. No:20 Tekeli 35470 Menderes / Izmir / TURKEY
Tel : +90 232 799 04 95
Fax : +90 232 437 01 33
E-mail : isonem@isonem.com.tr

1.4. Emergency telephone number

TEL: +90 232 799 04 95

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)
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Portland cement	266-043-4	65997-15-1	20 - 40	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

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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

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

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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

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According to Regulation (EU) No 2015/830

17. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

17.1. Product identifier

Product name ISONEM MD 28 B COMPONENT

17.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Flexible Waterproofing Compound

17.3. Details of the supplier of the safety data sheet

Supplier ISONEM BOYA VE YALITIM TEKNOLOJILERI INS. SAN. TIC. A.S.
ITOB OSB 10001 Sk. No:20 Tekeli 35470 Menderes / Izmir / TURKEY
Tel : +90 232 799 04 95
Fax : +90 232 437 01 33
e-mail : isonem@isonem.com.tr

17.4. Emergency telephone number

TEL: +90 232 799 04 95

18. SECTION 2: HAZARDS IDENTIFICATION

18.1. Classification of the substance or mixture

Mixture.

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

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

18.2. Label elements

Hazard pictograms : -
Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.
Precautionary statements : Not applicable.

18.3. Other hazards

None known.

19. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

19.1. Substances

Mixture.

19.2. Mixtures

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

20. SECTION 4: First aid measures

20.1. Description of first aid measures

Eye contact : Wash immediately with plenty of water at least 15 minutes. Seek medical advice.
Inhalation : Move to fresh air. If breathing is irregular, seek medical advice.
Skin contact : Wash immediately with plenty of water. Remove contaminated clothing.
Ingestion : Obtain immediate medical attention. Never attempt to induce vomiting. Never give anything by mouth to an unconscious person.

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

No specific data.


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

No specific data. Follow doctor's orders.

21. SECTION 5: Firefighting measures

21.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide, foam, powder and nebulised water.
Unsuitable extinguishing media : None known.

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21.2. Special hazards arising from the substance or mixture

Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc.).

21.3. Advice for firefighters

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

22. SECTION 6: Accidental release measures

22.1. Personal precautions, protective equipment and emergency procedures

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

22.2. Environmental precautions

The product must not penetrate the sewers, surface water, ground water and neighbouring areas.

22.3. Methods and material for containment and cleaning up

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

22.4. Reference to other sections

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

23. SECTION 7: HANDLING AND STORAGE

23.1. Precautions for safe handling

Store in closed, labelled containers.

23.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from direct sunlight. Keep from freezing – product stability may be affected. Should be stored between +5°C and +35°C.

23.3. Specific end use(s)

Information not available.

24. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

24.1. Control parameters

Information not available.

24.2. 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 direct contact with eyes and skin. Wear protective goggles.

Hand protection : Use protective gloves

Skin and body : Working clothes.


Respiratory protection : No special protection is required.

25. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

25.1. Information on basic physical and chemical properties

Appearance	: Liquid
Colour	: White
Odour	: Characteristic
Odour threshold	: Not available
Solubility	: Completely mixes with water
Boiling point	: Not available
Melting point	: Not available
pH Value	: 7.0 – 9.0
Flash point	: Not applicable
Evaporation rate	: Not available
Flammability of solids and gases	: Not applicable
In flammability limit	: Not applicable
Density	: 1.00 ± 0.10
Decomposition temperature	: Not available
Viscosity	: Not applicable
Partition coefficient: n-octanol/water	: Not applicable
Explosive properties	: Not available
Oxidizing properties	: Not available

25.2. Other information

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Information not available.

26. SECTION 10: STABILITY AND REACTIVITY

26.1. Reactivity

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

26.2. Chemical stability

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

26.3. Possibility of hazardous reactions

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

26.4. Conditions to avoid

Protect from hot and cold.

26.5. Incompatible materials

Information not available.

26.6. Hazardous decomposition products

Information not available.

27. SECTION 11: TOXICOLOGICAL INFORMATION

27.1. Information on toxicological effects

27.1.1. Acute toxicity

Acute Oral Toxicity	LD50 >5000 mg/kg (rat)	<i>Method: EEC 84/449,B.1</i>
Acute Dermal Toxicity	Non-irritant (Rabbit)	<i>Method : EEC 84/449,B.4</i>
Acute Inhalation Toxicity	LC50 > 2,25 mg/l (Rat)	<i>Method: OECD 400</i>

27.1.2. Skin corrosion/skin irritation

Non-irritant (Rabbit) *Method: EEC 84/449,B.4*

27.1.3. Serious eye damage/irritation

Non-irritant. *Method: EEC 84/449,B.5*

27.1.4. Respiratory or skin sensitization

Non-sensitizing.

27.1.5. Germ cell mutagenic

All in vitro genotoxicity tests were negative.

27.1.6. Carcinogenicity

Carcinogenic potential is not expected.

27.1.7. Specific target organ toxicity (single exposure)

Based on available data the classification criteria are not met.

27.1.8. Specific target organ toxicity (repeated exposure)

Based on available data the classification criteria are not met.

27.1.9. Aspiration hazard

Not applicable.

28. SECTION 12: ECOLOGICAL INFORMATION

28.1. Toxicity

Information not available.

28.2. Persistence and degradability

Information not available.

28.3. Bio accumulative potential

Information not available.

28.4. Mobility in soil

Information not available.

28.5. Results of PBT and vPvB assessment

Information not available.

28.6. Other adverse effects


Information not available.

29. SECTION 13: DISPOSAL CONSIDERATIONS

29.1. 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.

30. SECTION 14: TRANSPORT INFORMATION

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- 30.1. 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.
- 30.2. UN proper shipping name**
Not regulated as a dangerous good.
- 30.3. Transport hazard class(es)**
Not regulated as a dangerous good.
- 30.4. Packing group**
Not regulated as a dangerous good.
- 30.5. Environmental hazards**
Not regulated as a dangerous good.
- 30.6. Special precautions for user**
Not regulated as a dangerous good.
.Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not regulated as a dangerous good.

31. SECTION 15: REGULATORY INFORMATION

- 31.1. 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].
- 31.2. Chemical Safety Assessment**
No chemical safety assessment has been processed for the mixture and the substances it contains.

32. SECTION 16: OTHER INFORMATION

Full text of abbreviated H statements

Not applicable.

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 us.

History

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