

	SAFETY DATA SHEET	Issue Date: 14.10.2015 Revision Date: 30.01.2025
	ISONEM SS SOIL HARDENER	Revision No.: 01 Page No.: 1/5

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 SS SOIL HARDENER

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

Identified uses Soil Stabilizer

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]

Not classified.

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

2.2. Label elements

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

2.3. Other hazards

None known.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Mixture.

3.2. 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.

4. SECTION 4: First aid measures

4.1. 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 : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

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5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

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

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

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

6.3. 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.

6.4. Reference to other sections

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

7. SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Store in closed, labelled containers.

7.2. 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.

7.3. Specific end use(s)

Information not available.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Information not available.

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 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.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	: Liquid
Colour	: Transparent
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	: 9000 - 15000 mPas
Partition coefficient: n-octanol/water	: Not applicable
Explosive properties	: Not available
Oxidizing properties	: Not available

9.2. Other information

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Information not available.

10. 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

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

10.4. Conditions to avoid

Protect from hot and cold.

10.5. Incompatible materials

There are no known materials which are incompatible with this product.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

11.1.1. Acute toxicity

Acute Oral Toxicity

LD50 >5000 mg/kg (rat)

Method: EEC 84/449,B.1

Acute Dermal Toxicity

Non-irritant (Rabbit)

Method: EEC 84/449,B.4

Acute Inhalation Toxicity

LC50 > 2,25 mg/l (Rat)

Method: OECD 400

11.1.2. Skin corrosion/skin irritation

Non-irritant (Rabbit)

Method: EEC 84/449,B.4

11.1.3. Serious eye damage/irritation

Non-irritant.

Method: EEC 84/449,B.5

11.1.4. Respiratory or skin sensitization

Non-sensitizing.

11.1.5. Germ cell mutagenic

All in vitro genotoxicity tests were negative.

11.1.6. Carcinogenicity

Carcinogenic potential is not expected.

11.1.7. Specific target organ toxicity (single exposure)

Based on available data the classification criteria are not met.

11.1.8. Specific target organ toxicity (repeated exposure)

Based on available data the classification criteria are not met.

11.1.9. Aspiration hazard

Not applicable.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Fish Toxicity

LC₅₀>100 mg/l (96 h,Fish)

Method: OECD 203

Daphnia and other aquatic invertebrates

Chronic Toxicity: No data available

EC₅₀>100 mg/l Daphnia magna (24 h)

Method: OECD 202

Chronic Toxicity: No data available

Aquatic plants

EC₅₀> 100 mg/l Desmodesmus subspicatus (72 h)

Method: OECD 201

Bacterial toxicity

EC₅₀ approximately 1.000 mg/l

Method: OECD 209

12.2. Persistence and degradability

Biodegradability >80, Method: OECD 301 B

12.3. Bio accumulative potential

Not potentially bioaccumulable.

12.4. Mobility in soil

Do not allow to penetrate the sewers, surface water, groundwater.

12.5. Results of PBT and vPvB assessment

This mixture does not meet the PBT/ vPvB criteria of REACH, Annex XIII.

12.6. Other adverse effects

Information not available.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

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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 spill 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)**
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 chemical safety assessment has been processed for the mixture and the substances it contains.

16. 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 use.

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