

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 **SS SOIL HARDENER**
Product name **ISONEM SS SOIL HARDENER**

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

Intended use **An ecologic agent used to stabilize and solidify any soil or aggregate as well as dust suppression.**

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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Tel. **+90 232 799 04 95**
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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

The product is not classified as hazardous according to regulation (EC) 1272/2008 of the European parliament and of the council, on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006.

2.2. Label elements

This product is not subject to hazard labeling. No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant.

3.2. Mixtures

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions set forth in according to regulation (EC) 1272/2008 of the European parliament and of the council, on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Wash immediately with plenty of water for at least 15 minutes and seek medical advice at once.

SKIN: Immediately take off all contaminated clothing and have a shower. Seek medical advice.

INGESTION: Have the patient drink water as much as possible and seek medical advice immediately. Do not induce vomiting before consulting a doctor.

INHALATION: Immediately seek medical advice. In the meantime, remove the patient to open air, far from the contaminated premises; if respiration stops or is difficult, give an artificial respiration adopting the proper measure for the helper.

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

For symptoms and effects caused by contained substances see chap. 11.

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

Follow doctor's orders.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA

The extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

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 (carbon oxide, toxic pyrolysis products, etc.).

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

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and dielectric), a depressurized mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of fume.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use breathing equipment if fumes or powders are released into the air.

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.

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

Normal storage conditions without particular incompatibilities.

7.3. Specific end use(s)

Information not available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Information not available.

8.2. Exposure controls

Observance of safety measures used in handling chemical substances.

RESPIRATORY PROTECTION

None required.

EYE PROTECTION

None required.

HAND PROTECTION

None required. SKIN PROTECTION

None required.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties.

Appearance	Liquid
Colour	White
Odour	Not available
Odour threshold	Not available
pH	7 – 10
Melting or freezing point	Not available
Boiling point	Not available
Distillation range	Not available
Flash point	Not available
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
Specific gravity	1,00 ± 0,1
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	4000 - 9000
Reactive Properties	Not available

9.2. Other information

VOC (Directive 1999/13/EC) : 0
VOC (volatile carbon) : 0

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

None in particular, however the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

11.1. Information on toxicological effects

Information not available.

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.

 <p>ISONEM[®] "Boya & Yalıtım Teknolojileri" Paint & Insulation Technologies</p>	<p>ISONEM BOYA VE YALITIM TEKNOLOJILERI INS. SAN. TIC. A.S.</p>	<p>Revision nr.2 Revision Date: 30/03/2018 Printed on: 30/03/2018 Page n. 5/6</p>
	<p>ISONEM SS SOIL HARDENER</p>	

12.5. Results of PBT and vPvB assessment

Information not available.

12.6. Other adverse effects

Information not available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

SECTION 15. Regulatory information

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

Seveso category _____ None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006 _____ None

Substances in Candidate List (Art. 59 REACH) _____ None.

Substances subject to authorisation (Annex XIV REACH) _____ None.

Healthcare controls _____ Information not available.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

GENERAL BIBLIOGRAPHY

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

History

Date of issue: 30-03-2018
Previous date: 22-12-2017
Version: 2

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.