

## **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 **ANTI-FIRE SOLUTION**  
Product name **ISONEM ANTI-FIRE SOLUTION**

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

Intended use **Water-based flame retardant**

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

Name **ISONEM BOYA VE YALITIM TEKNOLOJILERI INS. SAN. TIC. A.S.**  
Full address **ITOB OSB 10001 SK. NO:20 TEKELI**  
District and Country **35470 Menderes / IZMIR**  
**TURKEY**  
Tel. **+90 232 799 04 95**  
Fax **+90 232 437 01 33**  
e-mail address of competent person **isonem@isonem.com.tr**  
responsible for safety data sheet

#### **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:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**SKIN:** Remove affected person from source of contamination. Wash skin with soap and water. Get medical attention if irritation develops

**INGESTION:** DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. Obtain medical advice Provide rest, warmth and fresh air.

**INHALATION:** Unlikely to occur however if it does, Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

### **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**

This material is not flammable. Use extinguishing media appropriate for surrounding fire.

### **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**

Stop leak if possible without risk. Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

### **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

If risk of splashing, wear safety goggles or face shield.

#### HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

#### SKIN PROTECTION

None required.

## SECTION 9. Physical and chemical properties

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

Appearance	Liquid
Colour	Transparent
Odour	Not available
Odour threshold	Not available
pH	7 - 9
Melting or freezing point	Not available
Boiling point	Not available
Distillation 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
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	Not available
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><b>ISONEM</b><sup>®</sup> "Boya &amp; Yalıtım Teknolojileri" Paint &amp; Insulation Technologies</p>	<p><b>ISONEM BOYA VE YALITIM TEKNOLOJILERI</b> <b>INS. SAN. TIC. A.S.</b></p>	<p>Revision nr.2 Revision Date: 30/03/2018 Printed on: 30/03/2018 Page n. 5/6</p>
	<p><b>ISONEM ANTI-FIRE SOLUTION</b></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

- 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

History

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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.