

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 BD
Product name ISONEM BD

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

Intended use Water based emulsion of modified polysiloxane

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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District and Country 35470 Menderes / IZMIR
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**e-mail address of competent person
responsible for safety data sheet** isonem@isonem.com.tr

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

Classification according to Regulation (EC) No 1272/2008 and amendments

2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments

Chronic aquatic toxicity Category 3

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Signal words: **Danger**

Hazard phrases (H-phrases)

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P501 Dispose of contents/container to waste disposal.

2.3. Other hazards

Information not available.

SECTION 3. Composition/information on ingredients

3.1. Substances

Product contains organic solvents. EUH066 Repeated exposure may cause skin dryness or cracking.

3.2. Mixtures

Component	CAS No.	EC No.	%
Hexadecyltrimethylammoniumchloride	112-02-07	203-928-6	< 0,1
3-Aminopropyltriethoxysilane	919-30-2	213-048-4	< 0,05
2-Bromo-2-nitropropane-1,3-diol	52-51-7	200-143-0	< 0,01

SECTION 4. First aid measures

4.1. Description of first aid measures

In case of excessive inhalation Provide fresh air.

In case of contact with skin Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

In case of contact with eyes Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

In case of ingestion Give several small portions of water to drink. Do not induce vomiting.

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

Any relevant information can be found in other parts of this section.

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

No data available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT not applicable

UNSUITABLE EXTINGUISHING EQUIPMENT not applicable

5.2. Special hazards arising from the substance or mixture

Ambient fire may lead to hazardous fumes. Exposure to combustion products may be a health hazard! Hazardous combustion products: toxic and very toxic fumes.

5.3. Advice for firefighters

Special equipment to protect firefighters

Use respiratory protection independent of recirculated air. Keep unprotected persons away.

General information

Product does not burn. Use extinguishing measures appropriate to the source of the fire.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. If material is released indicate risk of slipping. Do not walk through spilled material.

6.2. Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

6.3. Methods and material for containment and cleaning up

Methods of cleaning up

Take up mechanically and dispose of according to local/state/federal regulations. Do not flush away with water. For small amounts: Absorb with a neutral (non-acidic / non-basic) liquid binding material such as diatomaceous earth and dispose of according to government regulations. For large amounts: Liquids may be recovered using suction devices or pumps.

6.4. Reference to other sections

See Sections 8 and 13 for additional information.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Personal precautions

Ensure adequate ventilation. Must be syphoned off in situ. Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Spilled substance increases risk of slipping. Keep away from incompatible substances in accordance with section 10. Observe information in section 8.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels

Observe local/state/federal regulations.

Advice for storage of incompatible materials:

Observe local/state/federal regulations.

Further information for storage

Store in a dry and cool place. Protect against sun. Protect against frost. Store container in a well ventilated place.

Minimum temperature allowed during storage and transportation: 0 °C

Do not allow this material to freeze.

Maximum temperature allowed during storage and transportation: 40 °C

7.3. Specific end use(s)

No further relevant information available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

No further relevant information available.

8.2. Exposure controls

Respiratory protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136. Recommended Filter type: Combined filter type ABEK-P2 (certain inorganic, organic and acidic gases and vapors; ammonia/amines; particles), according to acknowledged standards such as EN 14387.

Hand protection

Use of protective gloves is recommended when handling the material.

Eye protection

Recommendation: protective goggles.

Skin protection

Protective clothing .

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Fluid - emulsion
Colour	White
Odour	Not available
Odour threshold.	Not available
pH	7 - 9
Melting point / freezing point.	Not available
Initial boiling point.	Not available
Boiling 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
Relative density.	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature.	Not available
Decomposition temperature.	Not available
Viscosity	0 - 500
Explosive properties	Not available
Oxidising properties	Not available

SECTION 10. Stability and reactivity

10.1. Reactivity

Stable - when used in accordance with the instructions.

10.2. Chemical stability

The product is stable under conditions in accordance with the instructions and proper storage.

10.3. Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known. Relevant information can possibly be found in other parts of this section.

10.4. Conditions to avoid

Heat, open flames, and other sources of ignition.

10.5. Incompatible materials

Reacts with: basic substances and acids. Reaction causes the formation of: ethanol.

10.6. Hazardous decomposition products

By hydrolysis: ethanol. The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Assessment: For similar products no indications for a specific hazard due to aerosol inhalation were identified in animal tests. However, inhalation of respirable aerosol should be avoided.

Product details			
Route of exposure	Result/Effect	Species/Test system	Source
oral	LD50: > 2000 mg/kg The assessment is made under consideration of relevant data on ingredients.	rat	Conclusion by analogy

Skin corrosion/irritation

Assessment: For this endpoint no toxicological test data is available for the whole product.

Serious eye damage / eye irritation

Assessment: For this endpoint no toxicological test data is available for the whole product.

Respiratory or skin sensitization

Assessment: For this endpoint no toxicological test data is available for the whole product.

Germ cell mutagenicity

Assessment: For this endpoint no toxicological test data is available for the whole product.

Carcinogenicity

Assessment: For this endpoint no toxicological test data is available for the whole product.

Reproductive toxicity

Assessment: For this endpoint no toxicological test data is available for the whole product.

Specific target organ toxicity (single exposure)

Assessment: For this endpoint no toxicological test data is available for the whole product.

Specific target organ toxicity (repeated exposure)

Assessment: For this endpoint no toxicological test data is available for the whole product.

Aspiration hazard

Assessment: For this endpoint no toxicological test data is available for the whole product.

SECTION 12. Ecological information

12.1. Toxicity

Assessment:

According to current knowledge adverse effects on water purification plants are not expected.

12.2. Persistence and degradability

Assessment:

Contact with water liberates ethanol and silanol- and/or siloxanol-compounds. Silicone content: biologically not degradable. Elimination by adsorption to activated sludge. The hydrolysis product (Ethanol) is readily biologically degradable.

12.3. Bioaccumulative potential

Assessment:

Bioaccumulation is not expected to occur.

12.4. Mobility in soil

Assessment:

No data known.

12.5. Other adverse effects

none known

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Material

Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

Uncleaned packaging

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

SECTION 14. Transport information

	Transport by road/by railway - ADR/RID:	Transport by sea – IMDG:	Air transport (IATA):
14.1. UN number	Not regulated for transport	Not regulated for transport	Not regulated for transport
14.2. UN proper shipping name	Not regulated for transport	Not regulated for transport	Not regulated for transport
14.3. Transport hazard class(es)	Not regulated for transport	Not regulated for transport	Not regulated for transport
14.4. Packing group	Not regulated for transport	Not regulated for transport	Not regulated for transport
14.5. Environmental hazards	NO		
14.6. Special precautions for user	Relevant information in other sections has to be considered.		
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Bulk transport in tankers is not intended.		

SECTION 15. Regulatory information

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

National and local regulations must be observed.
For information on labelling please refer to section 2 of this document.

15.2. Chemical safety assessment

Has not been conducted.

SECTION 16. Other information

The importance of H phrases from Chapter 3:
H411 - Toxic to aquatic life with long lasting effects.
H336 - May cause drowsiness or dizziness.
H335 - May cause respiratory irritation.
H304 - May be fatal if swallowed and enters airways.
H226 - Flammable liquid and vapour.

History
Date of issue: 30-03-2018
Previous date: 28-01-2016
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 use.