

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 METALLIC FLOOR
Product name ISONEM METALLIC FLOOR - A COMPONENT

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

Intended use Two component, solvent free epoxy based coating material

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
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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

Skin Irrit. 2 H315
Skin sens. 1 H317
Eye irritation cat. 2 H319
Aquatic Chronic 2 H411

2.2. Label elements

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



Signal words:

Danger

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of water/...
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with local and national regulations.

2.3. Other hazards

Information not available.

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant.

3.2. Mixtures

Component / CAS No.	CAS No	EC No	%	Classification according to Regulation (EC) No 1272/2008 (CLP)
Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin(number average molecular weight ≤ 700)	25068-38-6	500-033-5	70 - 90	Skin Irrit. 2 H315 Skin sens. 1 H317 Eye irritation cat. 2 H319 Aquatic Chronic 2 H411
Glycidyl ether C12-C14 alcohols	68609-97-2	271-846-8	10 - 30	Skin Irrit. 2 H315 Skin sens. 1 H317

SECTION 4. First aid measures

4.1. Description of first aid measures

Eye Contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin Contact:

Immediately wash with water and soap and rinse thoroughly.

Ingestion:

Do not induce vomiting; call for medical help immediately.

If symptoms persist consult doctor.

Inhalation:

Supply fresh air and to be sure call for a doctor.

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

None known

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

Not applicable

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

CO₂, powder or water spray. Fight larger fires with water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

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.

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

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Flush spill area with water. Remove sources of ignition. Cover spills with some inert absorbent material; sweep up and place in a waste disposal container.

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

Before handling the product, consult all the other sections of this safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Nitrile or fluorinated rubber gloves. Consider the porosity and elasticity data of the glove manufacturer and the specific conditions in the work place. Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility etc) is noticed.

SKIN PROTECTION

Wear impermeable gloves and suitable protective clothing.

Since this product is absorbed through the skin, care must be taken to prevent skin contact and contamination of clothing.

Avoid skin contact.

EYE PROTECTION

Wear eye/face protection such as chemical splash proof goggles or face shield.

RESPIRATORY PROTECTION

Not necessary if room is well-ventilated.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid

Colour

Not available

Odour

Not available

Odour threshold.

Not available

pH

Not available

Melting point / freezing point.

Not available

Initial boiling point.

Not available

Boiling range.

Not available

Flash point.

Not applicable

Evaporation Rate

Not available

Flammability of solids and gases

Not available

Lower flammability limit.

Not available

Upper flammability 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	3000 - 5000
Explosive properties	Not available
Oxidising properties	Not available

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

No decomposition if used and stored according to specifications.

10.5. Incompatible materials

Strong oxidizing agents. Avoid contact with acids and alkali's.

10.6. Hazardous decomposition products

No decomposition if used and stored according to specifications

SECTION 11. Toxicological information

11.1. Information on toxicological effects

· Acute toxicity:

· LD/LC50 values relevant for classification:

25068-38-6 Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin(number average molecular weight ≤ 700)

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 20000 mg/kg (rabbit)

68609-97-2 Glycidyl ether C12-C14 alcohols

Oral LD50 19200 mg/kg (rat)

Dermal LD50 > 4500 mg/kg (rabbit)

· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** Irritating effect.
- **Sensitisation** May cause sensitisation by skin contact.

SECTION 12. Ecological information

- Information about elimination (persistence and degradability): Not easily biodegradable.

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.

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Product:

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14. Transport information

· Land transport ADR/RID (cross-border)

- ADR/RID class: 9 Miscellaneous dangerous substances and articles.
- Danger code (Kemler): 90
- UN-Number: 3082
- Packaging group: III
- Hazard label: 9
- Description of goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)

· Maritime transport IMDG:

- IMDG Class: 9
- UN Number: 3082
- Label: 9
- Packaging group: III
- EMS Number: F-A,S-F

- Marine pollutant: Yes
- Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)
- **Air transport ICAO-TI and IATA-DGR:**
- ICAO/IATA Class: 9
- UN/ID Number: 3082
- Label: 9
- Packaging group: III
- Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)

SECTION 15. Regulatory information

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

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

15.2. Chemical safety assessment

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

SECTION 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The msds has been generated using the DR-Software product ChemGes.

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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 use.