

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 EP PRIMER
Product name ISONEM EP PRIMER – B COMPONENT

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

Intended use Two-component, solvent free epoxy resin based primer

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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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

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

Eye Dam. 1	H318
Acute Tox. 4	H302
Acute Tox. 4	H312
Skin Sens. 1	H317
Aquatic Chronic 3	H412

2.2. Label elements

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



Signal words:	Danger
H302 + H312	Harmful if swallowed or in contact with skin
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
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.
P310	Immediately call a POISON CENTER/doctor
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
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)
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	-	< 50	Skin Corr. 1A H314 Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Sens. 1 H317 Aquatic Chronic 3 H412
Benzyl alcohol	100-51-6	-	< 50	Acute Tox. 4 H302 Acute Tox. 4 H332 Eye Irrit. 2 H319
Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer	68609-08-5	-	> 20	Skin Sens. 1 H317

SECTION 4. First aid measures

4.1. Description of first aid measures

Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. If symptoms persist, consult a doctor.

Skin Contact:

Remove contaminated clothing and shoes without delay. Wash immediately with plenty of water. Do not reuse contaminated clothing without laundering. Get medical attention if pain or irritation persists after washing or if signs and symptoms of overexposure appear.

Ingestion:

Do not induce vomiting; call for medical help immediately. If symptoms persist consult doctor.

Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations..

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	Transparent

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 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	Not available
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

Reacts with strong acids and oxidising agents.

10.4. Conditions to avoid

No decomposition if used and stored according to specifications.

10.5. Incompatible materials

Information not available.

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

Harmful if swallowed or in contact with skin.

- LD/LC50 values relevant for classification:
100-51-6 Benzyl alcohol
Oral LD50 1230 mg/kg (rat)
Dermal LD50 2000 mg/kg (rabbit)
- Primary irritant effect:
· Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation
Causes serious eye damage.
Respiratory or skin sensitisation
May cause an allergic skin reaction.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
· Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

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.

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

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

- 14.1 UN-Number UN2735
- ADR, IMDG, IATA
- 14.2 UN proper shipping name 2735 AMINES, LIQUID, CORROSIVE, N.O.S., mixture
- ADR AMINES, LIQUID, CORROSIVE, N.O.S., mixture
- IMDG, IATA
- 14.3 Transport hazard class(es)
- ADR, IMDG, IATA
- Class 8 Corrosive substances.
- Label 8
- 14.4 Packing group
- ADR, IMDG, IATA III
- 14.5 Environmental hazards:
- Marine pollutant: No
- 14.6 Special precautions for user Warning: Corrosive substances.
- Danger code (Kemler): 80
- EMS Number: F-A,S-B

SECTION 15. Regulatory information

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

- No further relevant information available.

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation - WGK: Water hazard classes (German).

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

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Note for users:

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