 <p>ISONEM® "Boya & Yalıtım Teknolojileri" Paint & Insulation Technologies™</p>	<p align="center">SAFETY DATA SHEET</p> <p align="center">ISONEM POOL TRANSPARENT A COMPONENT</p>	<p>Issue Date: 01.08.2022 Revision Date: 30.01.2025 Revision No.: 01 Page No.: 1/12</p>
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According to Regulation (EU) No 2015/830

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name ISONEM POOL TRANSPARENT A COMPONENT

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

Identified uses Transparent Pool Paint

1.3. Details of the supplier of the safety data sheet

Supplier ISONEM BOYA VE YALITIM TEKNOLOJILERI INS. SAN. TIC. A.S.
ITOB OSB 10001 Sk. No:20 Tekeli 35470 Menderes / Izmir / TURKEY
Tel : +90 232 799 04 95
Fax : +90 232 437 01 33
E-mail : isonem@isonem.com.tr

1.4. Emergency telephone number

TEL: +90 232 799 04 95

2. SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Mixture.

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Physical and chemical hazards Flam. Liq. 3; H226

Human health Skin Irrit. 2; H315, Skin Sens. 1; H317, STOT SE. 3; H335, STOT SE 2; H373

Environment Not classified.

2.2. Label elements

Hazard pictograms :



Signal word : Danger

Hazard statements :

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements :


P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to an approved waste disposal plant.

Ingredients : Butil Asetat (Butyl Acetate), Ksilen (Xylene), Etilbenzen (Ethyl Benzene), Metil Metakrilat (Methyl Methacrylate), Hidroksietil metakrilat (2-Hydroxyethyl Methacrylate)

2.3. Other hazards

None known.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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3.1. Substances

Mixture.

3.2. Mixtures

İsim	EC No.	Cas No.	Conc. (a/a, %)	Classification (1272/2008 CLP)
Butyl acetate	204-658-1	123-86-4	10 – 25	STOT SE 3; H335 Flam. Liq. 3; H226
Xylene	215-535-7	1330-20-7	1 - 10	Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Irrit. 2; H315 Flam Liq. 3; H226 Asp. Tox. 1; H304 Eye Irrit. 2; H319 STOT SE. 3; H335 STOT SE. 2; H373
Ethylbenzene	202-849-4	100-41-4	1 – 5	Acute Tox. 4; H332 STOT SE. 2; H373 Asp. Tok. 1; H304 Aquatic Chronic 3; H412 Flam. Liq. 2; H225
Methyl methacrylate	201-297-1	80-62-6	0 - <2	Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE. 3; H335 Flam. Liq. 2; H225
Hydroxyethyl methacrylate	212-782-2	868-77-9	0 – <5	Eye Irrit. 2; H319 Skin Sens. 1; H317

4. 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. Obtain medical advice if there are persistent symptoms.
- Inhalation** : Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.
- 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** : If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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

No specific data.

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

No specific data. Follow doctor's orders.

5. SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use water spray, alcohol foam, carbon dioxide or dry chemical to extinguish fires.

Unsuitable extinguishing media : Water with full jet.

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

5.3. Advice for firefighters

Wear self-contained respiratory protective device.

6. SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. More information about personal precautions available in section 8.

6.2. Environmental precautions

Prevent any material from entering drains or waterways.


6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

7. SECTION 7: HANDLING AND STORAGE

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7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. - No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting and other equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye/face protection. Wash hands thoroughly after handling. Avoid release to the environment. Use only outdoors or in a well-ventilated area. Do not breathe vapors or spray mist.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated place and keep container tightly closed. Keep away from heat sources and direct sunlight. Keep away from sources of ignition - refrain from smoking.

7.3. Specific end use(s)

Information not available.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	France	Spain
Butyl acetate	-	TWA: 150 ppm TWA: 710 mg/m3 STEL: 200 ppm STEL: 940 mg/m3	TWA: 150 ppm TWA: 724 mg/m3 STEL: 200 ppm STEL: 965 mg/m3
Xylene	TWA 50 ppm TWA 221 mg/m3 STEL 100 ppm STEL 442 mg/m3	TWA: 50 ppm TWA: 221 mg/m3 TWA: 1000 mg/m3 STEL: 100 ppm STEL: 442 mg/m3 STEL: 1500 mg/m3	TWA: 50 ppm TWA: 221 mg/m3 STEL: 100 ppm STEL: 442 mg/m3 vía dérmica*
Ethylbenzene	TWA 100 ppm TWA 442 mg/m3 STEL 200 ppm STEL 884 mg/m3	TWA: 20 ppm TWA: 88.4 mg/m3 TWA: 1000 mg/m3 STEL: 100 ppm STEL: 442 mg/m3 STEL: 1500 mg/m3	TWA: 100 ppm TWA: 441 mg/m3 STEL: 200 ppm STEL: 884 mg/m3 vía dérmica*
Methyl methacrylate	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm TWA: 205 mg/m3 STEL: 100 ppm STEL: 410 mg/m3	TWA: 50 ppm STEL: 100 ppm

No exposure limit value known.

8.2. Exposure controls

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Eye/face protection

: Safety glasses.

Hand protection

: Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Skin and body

: Working clothes.


Respiratory protection

: Not necessary if room is well-ventilated.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	: Liquid
Colour	: Transparent
Odour	: Characteristic
Odour threshold	: Not available
Solubility	: Not available
Boiling point	: Not available
Melting point	: Not available
pH Value (aqueous solution)	: Not applicable
Flash point	: 23 °C
Evaporation rate	: Not available
Flammability of solids and gases	: Not applicable
In flammability limit	: Not applicable
Density	: 0,93 ± 0,10
Decomposition temperature	: Not available
Viscosity	: Not applicable

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Partition coefficient: n-octanol/water : Not applicable
Explosive properties : Not available
Oxidizing properties : Not available

9.2. **Other information**
 Information not available.

10. SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity**
 No dangerous reaction known under conditions of normal use.
- 10.2. **Chemical stability**
 Stable under normal conditions.
- 10.3. **Possibility of hazardous reactions**
 None under normal conditions.
- 10.4. **Conditions to avoid**
 Heat, flames and sparks.
- 10.5. **Incompatible materials**
 Strong acids. Strong bases. Strong oxidizing agents.
- 10.6. **Hazardous decomposition products**
 Carbon oxides. Burning produces noxious and toxic fumes.


11. SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1. **Information on toxicological effects**
- 11.1.1. **Acute toxicity**
 Acute toxicity – oral : Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.
 Acute toxicity – dermal : Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.
 Acute toxicity – inhalation : Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.
- 11.1.2. **Skin corrosion/irritation**
 Causes skin irritation.
- 11.1.3. **Serious eye damage / eye irritation**
 Causes serious eye irritation.
- 11.1.4. **Respiratory or skin sensitization**
 Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.
- 11.1.5. **Germ cell mutagenicity**
 Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.
- 11.1.6. **Carcinogenicity**
 Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.
- 11.1.7. **Reproductive toxicity**
 Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.
- 11.1.8. **Specific target organ toxicity (single exposure)**
 May cause drowsiness or dizziness.
- 11.1.9. **Specific target organ toxicity (repeated exposure)**
 May cause damage to organs through prolonged or repeated exposure.
- 11.1.10. **Aspiration hazard**
 Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.
- 11.1.11. **Further toxicological information**
 No data known.

12. SECTION 12: ECOLOGICAL INFORMATION

- 12.1. **Toxicity**
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 12.2. **Persistence and degradability**
 Not easily biodegradable
- 12.3. **Bio accumulative potential**
 No data known.
- 12.4. **Mobility in soil**
 No data known.
- 12.5. **Results of PBT and vPvB assessment**
 No data known.
- 12.6. **Other adverse effects**
 Information not available.

13. SECTION 13: DISPOSAL CONSIDERATIONS

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13.1. Waste treatment methods

The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of as hazardous waste in compliance with local and national regulations. Dispose of contents/ container to an approved waste disposal plant.

14. SECTION 14: TRANSPORT INFORMATION

14.1. UN Number

UN No. (ADR/RID/ADN) 1866
UN No. (IMDG) 1866
UN. No (ICAO) 1866

14.2. UN proper shipping name

RESIN SOLUTION

14.3. Transport hazard class(es)

ADR/RID/ADN Class 3
ADR/RID/ADN Class 3
ADR Label No 3
IMDG Class 3
ICAO Class 3
Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group III
IMDG Packing group III
ICAO Packing group III

14.5. Environmental hazards

Environmentally hazardous substance / Marine pollutant
Yes.

14.6. Special precautions for user

EMS F-A, S-E
Tunnel Restriction Code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable for product as supplied.

15. SECTION 15: REGULATORY INFORMATION

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
REACH - List of substances subject to authorisation (Annex XIV): Not applicable
REACH - List of substances subject to authorisation - Future sunset date: Not applicable


15.2. Chemical Safety Assessment

No data available.

16. SECTION 16: OTHER INFORMATION

Full text of abbreviated H statements

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.
H225 Highly flammable liquid and vapour.
H412 Harmful to aquatic life with long lasting effects.

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H335 May cause respiratory irritation.

H317 May cause an allergic skin reaction.

Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard

Eye Irrit. : Eye irritation

Skin Irrit. : Skin irritation

Skin Sens. : Skin sensitisation

Full text of classifications [CLP/GHS]

Not applicable.

Abbreviations and acronyms

ADR : The European Agreement concerning the International Carriage of Dangerous Goods by Road

AND : European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways

Cas No : Chemical Abstracts Service

EC No : European Community Number

IATA : International Air Transport Association

ICAO-TI : Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG : International Maritime Dangerous Goods Code

UN : United Nations

MARPOL 73/78: The International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78)

ATE : Acute Toxicity Estimate

CLP : Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DMEL : Derived Minimal Effect Level

DNEL : Derived No Effect Level

EUH statement: CLP-specific Hazard statement

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

RRN : REACH Registration Number

vPvB : Very Persistent and Very Bioaccumulative

Sources of key data

Literature data and/or investigation reports are available through the manufacturer.

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.

History

Date of printing : 30.01.2025

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According to Regulation (EU) No 2015/830

17. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING


- 17.1. Product identifier**
Product name ISONEM POOL TRANSPARENT B COMPONENT
- 17.2. Relevant identified uses of the substance or mixture and uses advised against**
Identified uses Transparent Pool Paint
- 17.3. Details of the supplier of the safety data sheet**
Supplier ISONEM BOYA VE YALITIM TEKNOLOJILERI INS. SAN. TIC. A.S.
ITOB OSB 10001 Sk. No:20 Tekeli 35470 Menderes / Izmir / TURKEY
Tel : +90 232 799 04 95
Fax : +90 232 437 01 33
e-mail : isonem@isonem.com.tr
- 17.4. Emergency telephone number**
TEL: +90 232 799 04 95

18. SECTION 2: HAZARDS IDENTIFICATION

- 18.1. Classification of the substance or mixture**
Mixture.
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Physical and chemical hazards Not classified.
Human health Acute Tox. 4-H302; Acute Tox. 4-H312; Skin Corr. 1B-H314; Skin Sens. 1-H317;
Eye Dam.1-H318; Acute Tox. 4-H332
Environment Aquatic Chronic 2- H412
- 18.2. Label elements**
Hazard pictograms :
- 


- Signal word** : Danger
- Hazard statements** :
- H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
- Precautionary statements** :
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P302+P352 If on skin: Wash with plenty of water.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- Ingredients** : Hexamethylene diisocyanate, oligomers, butyl Acetate, hexamethylene-di-isocyanate.
- 18.3. Other hazards**
None known.

19. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 19.1. Substances**
Mixture.
- 19.2. Mixtures**

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Identification	EC No.	Cas No.	Conc. (a/a, %)	Classification (1272/2008 CLP)
Hexamethylene diisocyanate, oligomers	-	28182-81-2	50 - 75	Skin Sens. 1; H317 Acute Tox. 4; H332 STOT RE. 3; H335
Butyl acetate	204-658-1	123-86-4	10 – 25	STOT RE. 3; H 336 Flam. Liq. 3; H226
Toluene	203-625-9	108-88-3	10 – 25	Flam. Liq. 2; H225 Repr. 2 ; H361d STOT RE 2; H373 STOT SE 3; H336 Skin Irrit. 2; H315 Asp. Tox. 1; H304

20. SECTION 4: First aid measures

20.1. Description of first aid measures

- Eye contact** : Wash immediately with plenty of water at least 15 minutes. Seek medical advice.
Inhalation : Move to fresh air. If breathing is irregular, seek medical advice.
Skin contact : Wash immediately with plenty of water. Remove contaminated clothing. Do not use organic solvents and thinners.
Ingestion : Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

No specific data.

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

No specific data. Follow doctor's orders.

21. SECTION 5: Firefighting measures

21.1. Extinguishing media

- Suitable extinguishing media** : Water vapor, Extinguishing powder, alcohol resistant foam, Carbon dioxide, Sand
Unsuitable extinguishing media : Water with full jet

21.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

21.3. Advice for firefighters

Wear self-contained respiratory protective device.

22. SECTION 6: Accidental release measures

22.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. More information about personal precautions available in section 8.

22.2. 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.

22.3. 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.

22.4. Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

23. SECTION 7: HANDLING AND STORAGE

23.1. Precautions for safe handling

Handle the product after reading all other parts of this safety data sheet. Do not spread the product to the environment. When using, do not eat, drink or smoke. Avoid contact with skin and eyes. Avoid breathing. Use only in well ventilated areas.


23.2. Conditions for safe storage, including any incompatibilities

Keep away from open flames, heat, hot surfaces and sources of ignition. Do not use equipment and tools that cause spark formation, do not smoke.

23.3. Specific end use(s)

Information not available.

24. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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24.1. Control parameters

It should be ensured that adequate ventilation is provided in the work area.

24.2. Exposure controls

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Eye/face protection

: Avoid direct contact with eyes and skin. Wear protective goggles

Hand protection

: Use protective gloves

Skin and body

: Working clothes.

Respiratory protection

: Where ventilation is adequate, no additional respiratory protection is required. Breathing of substance vapor should be avoided.

25. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

25.1. Information on basic physical and chemical properties

Appearance	: Liquid
Colour	: Transparent
Odour	: Characteristic
Odour threshold	: Not available
Solubility	: Not available
Boiling point	: Not available
Melting point	: Not available
pH Value	: Not applicable
Flash point	: Not applicable
Evaporation rate	: Not available
Flammability of solids and gases	: Not applicable
In flammability limit	: Not applicable
Density	: Not applicable
Decomposition temperature	: Not available
Viscosity	: Not applicable
Partition coefficient: n-octanol/water	: Not applicable
Explosive properties	: Not available
Oxidizing properties	: Not available

25.2. Other information

Information not available.

26. SECTION 10: STABILITY AND REACTIVITY

26.1. Reactivity

No further relevant information available.

26.2. Chemical stability

The product is stable in normal conditions of use and storage.

26.3. Possibility of hazardous reactions

Reacts with strong acids and oxidising agents.

26.4. Conditions to avoid

Do not expose to open flame, caustic and ignition sources.

26.5. Incompatible materials

Strong oxidizers, strong reducers and oxidizing mineral acids.

26.6. Hazardous decomposition products

In case of exposure to high temperatures, hazardous decomposition products such as smoke, carbon oxides may be formed.

27. SECTION 11: TOXICOLOGICAL INFORMATION

27.1. Information on toxicological effects

27.1.1. Acute toxicity

Acute oral toxicity

Heksametilen-1,6-diizosiyonat homopolimer

LD50 Rat: > 5.000 mg/kg


Acute dermal toxicity

ATEmix (dermal):> 2.000 mg / kg

Method: Calculation method

Hexamethylene-1,6-diisocyanate homopolymer

LD50 Rabbit, male / female:> 2,000 mg / kg

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Studies on a comparable product.

Acute inhalation toxicity

ATEmix (inhaled): 1,71 mg / l, 4 h

Test atmosphere: dust / mist

Method: Calculation method

Hexamethylene-1,6-diisocyanate homopolymer

LC50 Rat: 0.554 mg / l, 4 h

Test atmosphere: dust / mist

27.1.2. Skin corrosion/irritation

Hexamethylene-1,6-diisocyanate homopolymer

Type: Rabbit

Result: mildly irritating

Classification: No skin irritation

27.1.3. Serious eye damage / eye irritation

Hexamethylene-1,6-diisocyanate homopolymer

Type: Rabbit

Result: mildly irritating

Classification: No eye irritation

27.1.4. Respiratory or skin sensitization

Hexamethylene-1,6-diisocyanate homopolymer

Skin sensitivity (maximization test) according to Magnusson / Kligmann:

Genus: Guinea pig

Result: positive

Classification: May cause sensitization by skin contact.

Method: OECD Test Guideline 406

27.1.5. Germ cell mutagenicity

No data known.

27.1.6. Carcinogenicity

No data known.

27.1.7. Reproductive toxicity

Hexamethylene-1,6-diisocyanate homopolymer

Available data show no indication of reproductive toxicity.

Animal experiments on structurally similar compounds did not show specific reproductive toxicity.

27.1.8. Specific target organ toxicity (single exposure)

Based on available data.

27.1.9. Specific target organ toxicity (repeated exposure)

Based on available data.

27.1.10. Aspiration hazard

Based on available data.

27.1.11. Further toxicological information

No data known.

28. SECTION 12: ECOLOGICAL INFORMATION

28.1. Toxicity

Ecotoxicology studies of the product are not available. Prevent from entering waterways, waste water or soil.

28.2. Persistence and degradability

Information not available.

28.3. Bio accumulative potential

Information not available.

28.4. Mobility in soil

Information not available.

28.5. Results of PBT and vPvB assessment

It does not contain PBT and vPvB features.

28.6. Other adverse effects

Information not available.

29. SECTION 13: DISPOSAL CONSIDERATIONS

29.1. Waste treatment methods


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


30. SECTION 14: TRANSPORT INFORMATION

30.1. UN Number

UN No. (ADR/RID/ADN) 1866

UN No. (IMDG) 1866

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	UN. No (ICAO)	1866
30.2.	UN proper shipping name	
	RESIN SOLUTION	
30.3.	Transport hazard class(es)	
	ADR/RID/ADN Class	3
	ADR/RID/ADN Class	3
	ADR Label No	3
	IMDG Class	3
	ICAO Class	3
	Transport Labels	
		
30.4.	Packing group	
	ADR/RID/ADN Packing group	III
	IMDG Packing group	III
	ICAO Packing group	III
30.5.	Environmental hazards	
	Environmentally hazardous substance / Marine pollutant	
	Yes.	
30.6.	Special precautions for user	
	EMS	F-A, S-E
	Tunnel Restriction Code	(D/E)
30.7.	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
	Not applicable for product as supplied.	

31. SECTION 15: REGULATORY INFORMATION

31.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
	The product doesn't need to be classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 [CLP].
31.2.	Chemical Safety Assessment
	No chemical safety assessment has been processed for the mixture and the substances it contains.

32. SECTION 16: OTHER INFORMATION

Full text of abbreviated H statements


H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Not applicable.

Abbreviations and acronyms

ADR : The European Agreement concerning the International Carriage of Dangerous Goods by Road
AND : European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
Cas No : Chemical Abstracts Service
EC No : European Community Number
IATA : International Air Transport Association
ICAO-TI : Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG : International Maritime Dangerous Goods Code
UN : United Nations
MARPOL 73/78: The International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78)
ATE : Acute Toxicity Estimate
CLP : Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

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DMEL : Derived Minimal Effect Level

DNEL : Derived No Effect Level

EUH statement: CLP-specific Hazard statement

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

RRN : REACH Registration Number

vPvB : Very Persistent and Very Bioaccumulative

Sources of key data: Literature data and/or investigation reports are available through the manufacturer.

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.

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