

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 POOL
Product name ISONEM POOL

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

Intended use Two component swimming pool paint based on polyurethane resin

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
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

Hazardous to the aquatic environment - Chronic 2
Flammable Liquid 3
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure 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)

H226	Flammable liquid and vapour.
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P361	Remove/take off immediately all contaminated clothing.
P370 + P378	In case of fire: Use CO2, dry chemical, or foam for extinction.

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.	%	Sınıflandırma (EC) No 1272/2008 (CLP)
hydrocarbons, C9 aromatics	918-668-5	-	10 – 30	Aquatic Chronic 2; H411 Asp.Tox.1; H304 STOT SE 3; H336 STOT SE 3; H335 Flam. Liq. 3; H226

SECTION 4. First aid measures**4.1. Description of first aid measures**

In case of excessive inhalation	If there are any symptoms transfer the victim to clean air.
In case of contact with skin	Remove contaminated clothing. Wash skin with soap and water. Do not use organic solvents or thinners.
In case of contact with eyes	Flush eyes with water to remove product residue.
In case of ingestion	Do not eat. Rinse mouth with water. Do not induce vomiting.

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

In case of excessive inhalation	Respiratory tract irritation, coughing, burning sensation in the nasal cavity.
In case of contact with skin	Prolonged exposure (contact) with the product causes loss of fat in the skin which can cause inflammation of the skin.
In case of contact with eyes	Redness, tearing and irritation at sensitive persons.
In case of ingestion	In the case of large ingested amounts of product, sensitive individuals may experience nausea, vomiting and diarrhea.

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	Foam, powder, carbon dioxide, inert gas or INERGEN FM 200 (started phase fire fighting), water fog.
UITABLE EXTINGUISHING EQUIPMENT	Water jet, unless USED ONLY for water mist to cool containers with flammable products. Remove all possible sources of ignition: open flame, lit cigarette, sparkling of tools and equipment. Close packagings with product.

5.2. Special hazards arising from the substance or mixture

Specific methods of extinguishing fire

Extinguish fire in wind direction. Cool down vessels with product, which do not burn with dispersed water, prevent leakage of the product and place them in a safety place. The possibility of formation man harmful gases and thick smoke during the fire. The use of protective mask with filter A is mandatory.

5.3. Advice for firefighters

Special equipment to protect firefighters

Independent fire extinguisher on compressed air, a full fire-fighting equipment to protect the body.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

Personal precautions	Remove possible sources of ignition (flame, lit cigarette, sparkling etc.). Protect respiratory system against inhalation of vapours. Provide good ventilation.
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6.2. Environmental precautions

Environmental precautions	Prevent leakage into water, water dams, cellars, caves or sewage system. Prevent outflow into water, water dams, cellars, caves or sewage system and vapour accumulation in closed rooms.
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6.3. Methods and material for containment and cleaning up

Methods of cleaning up	Absorb the outflown product and mix it with soil, sand or other absorptive materials for liquids. Leave waste to the authorized waste collectors.
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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

At the use product vapours may produce flammable/explosive mixtures of vapours and air. During the pumping static electrification may occur. Emptying of static electrification, which could cause fire. At the decanting of larger quantities assure conductivity with binding and earthing of complete equipment. Prevent contact with hot objects, sparkles, flame and sources of ignition.

Advice on safe handling

Do not smoke, drink or eat while handling the product. Do not breathe vapors, avoid contact with skin and eyes. At work wear cotton overalls or coveralls, nitrile rubber gloves and safety glasses with side shields.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and conditions

SUITABLE: Store in tightly closed vessels in a cool and ventilated room. Prevent the formation of static electrification. UNSUITABLE: Storage in the room together with chemicals (oxidants, acids) may cause fire. In the warehouse there should be no tools or machines, which are the source of sparking. Store in an upright position.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

The prescribed of threshold limit value (TLV) for occupational exposure to hazardous substances in the atmosphere post the Regulation on the safety of employees from risks against chemical substance exposure at work:

No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.

DNEL = Derived No Effect Level

Component Data:

Chemical Name	Population Exposure Effects Values (units)
hydrocarbons, C9 aromatics	Workers Longterm dermal Systemic effects 25 mg/kg/bw/day
	Workers Longterm oral Systemic effects 150 mg/m3
	Consumers Longterm dermal Systemic effects 11 mg/kg/bw/day
	Consumers Longterm inhalational 32 mg/m3
	Workers Longterm inhalational Systemic effects 150 mg/m3

8.2. Exposure controls

Respiratory protection	When used in confined spaces, prolonged work, wear protective mask for the whole face with filter "A". In case that the oxygen concentration in the air of work room falls under 17 %, use independent respirator with an open circle on the compressed air.
Hand protection	At several contacts with the product use gloves made of nitril rubber with thickness 0,40 mm, in contact with drops of product (minor contacts) the gloves made of nitril rubber of thickness 0,11 mm.
Eye protection	At the low concentrations in the air wear protective goggles, at high concentrations the protective mask for the whole face.
Skin protection	In normal conditions wear clothes made of cotton and suitable footwear. In case the possibility of outflow is high, use the clothes and footwear resistant to chemicals (PVC, rubber).

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Not available
Odour threshold.	Not available
pH	Not applicable
Melting point / freezing point.	Not available
Initial boiling point.	Not available
Boiling range.	Not available
Flash point.	> 21
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.	1,00 ± 0,1
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

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

The presence of open flame or hazardous materials. Avoid contact of product with heat, sparks, flames and other ignition sources.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

The product is non-reactive and compatible with majority of substances, except with extreme oxidants. Keep the product in the original packaging. Do not mix with other products.

10.6. Hazardous decomposition products

No data available

SECTION 11. Toxicological information

11.1. Information on toxicological effects

(a) acute toxicity:

ORAL	None data known
DERMAL	None data known
INHALATIONAL	None data known
Special precautionary measures	Product does not contain components classified as acute toxic.

(b) skin corrosion/irritation:

Skin	None data known
Special precautionary measures	Product does not contain components classified as corrosive/irritant to skin.

(c) serious eye damage/irritation

Eyes	None data known
Special precautionary measures	Product does not contain components classified as causing eye damage.

(d) respiratory or skin sensitisation

Skin	None data known
Special precautionary measures	Product does not contain components classified as causing skin sensitivity.

(e) germ cell mutagenicity

Exposure to product None data known
Special precautionary measures Product does not contain components classified as mutagenic.

(f) carcinogenicity

Exposure to product None data known
Special precautionary measures Product does not contain components classified as cancerogenic.

(g) reproductive toxicity

Exposure to product None data known
Special precautionary measures Product does not contain components classified as being reprotoxic.

(h) STOT-single exposure

Exposure to product May cause respiratory irritation. May cause drowsiness or dizziness.
Special precautionary measures Use only outdoors or in a well-ventilated area.

(i) STOT-repeated exposure

Special precautionary measures Product does not contain components classified as causing harmful effect to organs on repeated or prolonged exposure.

(j) aspiration hazard

INHALATIONAL Product contains components which may cause aspiration hazard, but kinematic viscosity is high enough that product is not classified with aspiration hazard.
Special precautionary measures Do NOT induce vomiting.

SECTION 12. Ecological information

12.1. Toxicity

Ecotoxicity - Data on components

The product contains components that are toxic to fish and aquatic environment.

Chemical Name	Ecotoxicity conc.
hydrocarbons, C9 aromatics	EC 50, 48 h: Daphnia = 3.2 mg/l Aquatic LC50 (96h) fish = 9.2 mg/l

12.2. Persistence and degradability

Biodegradation No data available

12.3. Bioaccumulative potential

Bioconcentration No data available

12.4. Mobility in soil

Mobility No data available

12.5. Results of PBT and vPvB assessment

PBT and vPvB No data available

12.6. Other adverse effects


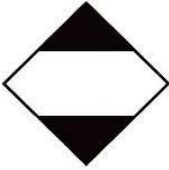
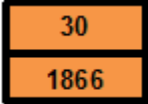
Ecotoxicity - Data on components Based on the classification of components, product may have long lasting effects to aquatic life.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Organic materials, especially when classified as hazardous waste, be disposed of by thermal treatment or incineration at approved facilities. All local and national regulations should be followed.

SECTION 14. Transport information

	Transport by road/by railway - ADR/RID:	Transport by sea – IMDG:	Air transport (IATA):
14.1. UN number	1866	1866	1866
14.2. UN proper shipping name	RESIN SOLUTION	RESIN SOLUTION hydrocarbons, C9 aromatics	RESIN SOLUTION
14.3. Transport hazard class(es)	3	3	3
14.4. Packing group	III	III	III
Label			
Hazard number	30	30	30
Tunnel restriction code	(D/E)		
Limited quantities	 packages: inner: =< 5 units; outer: =< 30 units		
Orange board			
Instructions for emergency EmS		F-E, S-E	
14.5. Environmental hazards	ENVIRONMENTALLY HAZARDOUS	Marine pollutant.	ENVIRONMENTALLY HAZARDOUS
14.6. Special precautions for user	Transport with respecting transport labels and the requests of transportation legislation.		
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable		

SECTION 15. Regulatory information

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

This Safety Data Sheet has been prepared in accordance with a comprehensive chemicals legislation - REACH Regulation on chemicals and the Regulation for classification, labeling and packaging (CLP/GHS).

The product is subjected to Directive on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations, EU 1999/13 - and its implementations in local legislation.

The product due to its (hazardous properties falls under the law of Major Accident Hazard (EU 96/82 - Seveso), is classified in category of this Regulation. Hazard categories (EC) No 1272/2008: E2 Hazardous to the Aquatic Environment

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

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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.