

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: LIQUID COAGULANT

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

- Use of the substance/mixture: Water treatment

1.3 Details of the supplier of the safety data sheet

Company:

Unimarine Services Inc.
60 Market Square,
PO Box 364, Belize City

Contact your nearest Unimarine sales office

Representative office in Greece:

Email: info@unimarine.gr
Tel: +30 210 9957279

1.4 Emergency Telephone Number

Emergency Telephone: Only to be used in case of incident
Tel: 00357 25 662068

2. Hazards identification

2.1 Classification of the substance or mixture

- Not classified as hazardous for users

2.2 Label elements

- Hazard phrases
Not applicable
- Not applicable
- Precautionary Phrases
Not applicable

2.3 Other hazards

2. Hazards identification

- Not applicable
 - Not a PBT according to REACH Annex XIII
 - Odour: Odourless
 - Appearance: Liquid, pale yellow, soluble in water
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3. Composition/information on ingredients

3.1 Mixtures

- Non classified ingredients
Concentration: 100%
CAS Number:
EC Number:
Symbols:
R/H Phrases:
Categories:
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4. First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- Seek medical attention if irritation persists
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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- Seek medical attention if irritation persists
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- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give plenty of water to drink
- Never make an unconscious person vomit or drink fluids
- When in doubt or symptoms persist, seek medical attention
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- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- In cases of severe exposure, redness and irritation may develop
- Possible redness and irritation of affected areas

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
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5. Fire-fighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- Smoke from fires is irritating

5.3 Advice for firefighters

- Smoke from fires is irritating
 - Wear Positive-Pressure Breathing Apparatus
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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Flush spill area with copious amounts of water

6.4 Reference to other sections

- See Section 13
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7. Handling and storage

7.1 Precautions for safe handling

- The usual precautions for handling chemicals should be observed

7.2 Conditions for safe storage, including any incompatibilities

- Protect from frost
- Store in a well-ventilated place. Keep container tightly closed (P403+P233).
- Store in a dry place (P402).

7.3 Specific end use(s)

- Contact supplier for further information
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8. Exposure controls/personal protection

8.1 Control parameters

- There are no recommended or established controls for this product

8.2 Exposure controls

- No special precautions are required for this product

8.3 Occupational exposure controls



- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Liquid, pale yellow, soluble in water
- pH 8.5 - 10 at 100 % concentration
- Boiling point >100 °C to 760 °C
- Density: Density 1,025 - 1,045 g/cm³ at 20 deg C
- Non combustible

9.2 Other information

- No information available
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10. Stability and reactivity

- This article is considered stable under normal conditions
- 10.2 Possibility of hazardous reactions
- No hazardous reactions known if used for its intended purpose
- 10.3 Incompatible materials
- None
- 10.4 Conditions to avoid
- Avoid overheating
- 10.5 Hazardous Decomposition Products
- No hazardous decomposition products known
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11. Toxicological information

- 11.1 Information on toxicological effects
- LD50 (oral, rat) > 2000 mg/kg
- 11.2 Contact with eyes
- In cases of severe exposure, redness and irritation may develop
- 11.3 Contact with skin
- In cases of severe exposure, irritation may develop
- 11.4 Ingestion
- May cause gastro-intestinal disturbances
- 11.5 Inhalation
- Inhalation is unlikely to occur
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12. Ecological information

- 12.1 Toxicity
- LC50 (fish) (Acrylic acid polymer) >100 mg/l (96 hr)
 - This product does not contain ingredients which are classified in the EU as dangerous for the environment.
- 12.2 Persistence and degradability
- The components in this product are readily biodegradable.
- 12.3 Bioaccumulation Potential
- Not applicable
- 12.4 Mobility in soil
- Completely soluble in water
- 12.5 Results of PBT and vPvB assessment
- Not a PBT according to REACH Annex XIII
- 12.6 Other Adverse Effects
- Presents little or no hazard to the aquatic environment
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13. Disposal considerations

- 13.1 Waste treatment methods
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
 - Disposal should be in accordance with local, state or national legislation
- 13.2 Classification
- EU Waste class: -
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14. Transport information

14.1 UN

- UN No.: Not applicable
- Proper Shipping Name: Not applicable
- Hazard Class: Not applicable
- Packing Group: Not applicable

Not classified as hazardous for transport

14.2 Environmental hazards

- Not Classified

14.3 Special precautions for user

- Not classified as hazardous for transport

14.4 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not Classified

14.5 Road/Rail (ADR/RID)

- ADR UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ADR Hazard Class: Not applicable
- ADR subrisk: Not applicable
- ADR Packing Group: Not applicable
- ADR Flashpoint: Not applicable

14.6 Sea (IMDG)

- IMDG UN No.: Not applicable
- Proper Shipping Name: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG subrisk: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG EmS: Not applicable
- IMDG Flashpoint: Not applicable

14.7 Air (ICAO/IATA)

- ICAO UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ICAO Packing Group: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO subrisk: Not applicable
- ICAO Flashpoint: Not applicable

14.8 DOT / CFR (US Department of Transportation)

- Identification Number: Not applicable
- DOT Proper Shipping Name: Not applicable
- DOT Labels: Not applicable
- Product RQ (lbs): Not applicable
- Hazardous Material: Not applicable
- Hazard Class: Not applicable
- DOT subrisk: Not applicable
- DOT Flashpoint: Not applicable

15. Regulatory information

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

- Not hazardous according to current The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- Danish PR number: 2393259

15.2 Chemical Safety Assessment

- None
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16. Other information

The information contained herein relates only to the specific material identified. Unimarine Services Inc. Believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Unimarine Services Inc. urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application