



1. DEFINITION OF MATERIAL AND COMPANY

1.1 Product Name: AQM 167

1.2 Application: Membrane cleaning compound

1.3 Company Information:

Headquarters:

MEMPA PAZARLAMA INSAAT SAN. ve TIC. A.S.

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2. DEFINITION OF HAZARD

2.1 Classification of the substance or product:

Classification according to Regulation (EC) No. 1272/2008:

Serious eye damage/eye irritation - Category 2 H319

Classification according to EU Directives 67/548/EEC or 1999/45/EC:

This product is classified as dangerous in accordance with the Preparations Directive 1999/45/EC.

Xi, IRRITANT R38, R41

Refer to Section 16 for full details of the risk phrases, hazard statements and Notas.

2.2 Label information and records:

Labelling according to Regulation (EC) No. 1272/2008:

Contains: Sodium Dodecylbenzenesulphonate

Hazard Pictograms:



Signal Word: Warning

Hazard Statements:

H319 Causes serious eye irritation.

Precaution explanations:

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.



P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

2.3 Other hazards:

No known hazards.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Solid matter:

No data available.

3.2 Mixture:

The details below include all impurities and by-products that contribute to the product classification or that have a occupational exposure limit.

Hazardous Substance(s)	% (w/w)	Classification according to Regulation (EC) No 1272/2008	Classification according to 67/548/EEC
Sodium Dodecylbenzenesulphonate EC-No.: 246-680-4 CAS-No.: 25155-30-0	30,0 -60,0	Serious eye damage/eye irritation2 :H319	Xi R36

Refer to Section 16 for full details of the risk phrases, hazard statements and Notas.

4.FIRST AID MEASURES

4.1 Definition of required first aid measures:

In event of emergency assess the danger before taking action. Do not put yourself at risk of injury. If in doubt, contact emergency.

If inhaled:

Remove to fresh air, treat symptomatically. If symptoms develop, seek medical advice.

In case of eye contact:

Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.

Ingestion:

Seek medical advice immediately, showing the label and/or SDS. If conscious, washout mouth and give water to drink. If unconscious, do not give anything by mouth, place in the recovery position, check breathing and pulse. If necessary give artificial respiration.

Skin contact:

Get immediate medical attention. Remove contaminated clothing. Wash clothing before reuse. Immediately flush with plenty of water for at least 15 minutes. For a large splash, flood body under a shower.



Protection of first aiders :

Wear adequate personal protective equipment.

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

Causes serious eye irritation.

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

Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

5.FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

This product would not be expected to burn unless all the water is boiled away. The remaining organics may be ignitable. Use extinguishing media appropriate for surrounding fire.

5.2 Special hazards arising from the substance or mixture:

May evolve oxides of carbon (COx) under fire conditions. May evolve oxides of sulfur (SOx) under fire conditions. In the event of a spill, prevent material and fire water from entering sewers or waterways.

5.3 Advice for Firefighters:

Special precautions and protective equipment for firefighters:

In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.

6.ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

ADVICE FOR NON-EMERGENCY PERSONNEL

This material may be hazardous by contact, do not attempt to clean up the spill. Call trained emergency responders immediately. Clean up only to be done by Emergency responders/personnel. Restrict access to area as appropriate until clean-up operations are complete. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection).

ADVICE FOR EMERGENCY RESPONDERS

Restrict access to area as appropriate until clean-up operations are complete. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Stop or reduce any leaks if it is safe to do so. Ventilate spill area if possible. Ensure clean-up is conducted by trained personnel only. Do not touch spilled material. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Notify appropriate government, occupational health and safety and environmental authorities.

6.2 Environmental precautions :

In the event of a spill, prevent material from entering sewers or waterways. Do not allow material to contaminate ground water system. Prevent product from entering drains. If drains, streams, soil or sewers become contaminated, notify local authority.

6.3 Methods and materials for containment and cleaning:



Spillages in small areas:

Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area.

Spillages in large areas:

Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Clean contaminated surfaces with water or aqueous cleaning agents. Contact an approved waste hauler for disposal of contaminated recovered material. Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations).

6.4 Reference to other sections:

Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations).

7.HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling:

Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Do not breathe vapors/gases/dust. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Ensure all containers are labeled. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Refer to section 6.2 for Environmental Precautions.

Hygiene Recommendations:

Use good work and personal hygiene practices to avoid exposure. Keep an eye wash fountain available. Keep a safety shower available. Always wash thoroughly after handling chemicals. When handling this product never eat, drink or smoke. Eye wash station and safety shower are necessary. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities:

Storage conditions:

Store in suitable labeled containers. Store the containers tightly closed. Store away from heat and sources of ignition.

Suitable packaging materials:

Brass, Surface-modified HDPE (high density polyethylene), PVC, Buna-N, HDPE (high density polyethylene), Polyurethane, Polypropylene, Polyethylene, Stainless Steel 304, Epoxy phenolic resin, Fluoroelastomer, Compatibility with Plastic Materials can vary; we therefore recommend that compatibility is tested prior to use.

Unsuitable packaging materials:

Neoprene, EPDM, 100% phenolic resin liner, Chlorosulfonated polyethylene rubber.

7.3 Specific end uses:

Specific use(s): Membrane cleaning compound



Appearance	Amber
Odour	Mild
Odour Threshold	No data available
pH (1%)	7
Freezing /Melting/Pour Point	No data available
Initial Boiling Point/ Boiling Range	No data available
Flash Point	None
Evaporation Rate	No data available
Flammability(solid,gas)	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	1.043
Density	No data available
Solubility in Water	Complete
Octanol/Water Coefficient (log Kow)	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	900 cps (20°C)
Explosive Properties	No applicable
Oxidizing Properties	No applicable

9.2 Other information:

Not applicable

10.STABILITY AND REACTIVITY

10.1 Reactivity:

Stable under normal conditions.

10.2 Chemical stability:

Stable under normal conditions.

10.3 Possibility of hazardous reactions:

Hazardous polymerization will not occur.

10.4 Conditions to avoid:

Avoid extremes of temperature. Heat and sources of ignition including static discharges.

10.5 Incompatible materials:



Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors. Contact with strong acids (e.g. sulfuric, phosphoric, nitric, hydrochloric, chromic, sulfonic) may generate heat, splattering or boiling and toxic vapors.

10.6 Hazardous decomposition products:

Under fire conditions Oxides of carbon, Oxides of sulfur.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Product:

Acute oral toxicity	Based on available data, the classification criteria are not met.
Acute inhalation toxicity	Based on available data, the classification criteria are not met.
Acute dermal toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.
Genotoxicity Assessment	Contains no ingredient listed as a mutagen
Carcinogenicity	Based on available data, the classification criteria are not met.
None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).	
Reproductive toxicity	Based on available data, the classification criteria are not met.
Assessment: No toxicity to reproduction	
STOT - single exposure	Remarks: Based on available data, the classification criteria are not met.
STOT - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration toxicity	No aspiration toxicity classification

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

The following results are for the product.

Product:

Toxicity to fish	LC50: 1 - 5 mg/l, 96 hrs, Fish, Test substance: Product
Toxicity to daphnia and other aquatic invertebrates	LC50: 5 - 15 mg/l, 48 hrs, Daphnia magna, Test substance: Product
Toxicity to algae	LC50: 1 - 5 mg/l, 72 hrs, Algae, Test substance: Product



Ecotoxicology Assessment:

Acute aquatic toxicity

Not expected to be harmful to aquatic organisms.

Chronic aquatic toxicity

Not expected to demonstrate chronic toxicity to aquatic organisms.

12.2 Persistence and degradability:

Product :

Biodegradability

The organic portion of this preparation is expected to be readily biodegradable.

12.3 Bioaccumulative potential:

Product :

Bioaccumulation

This preparation or material is not expected to bioaccumulate.

12.4 Mobility in soil:

Product:

Environmental fate and pathway

This substance is water soluble and is expected to remain primarily in water.

12.5 Results of PBT and vPvB assessment:

Product :

Assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects:

Product :

Additional ecological information

No adverse effects expected.

13. DISPOSAL CONSIDERATIONS

If this preparation becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code. Use only authorized contractors. Ensure compliance with EC, national and local regulations.

13.1 Waste treatment methods:

Contact an approved waste hauler for disposal of contaminated recovered material. Any chemical waste is a potential environmental pollutant and is NOT suitable for disposal via ground, municipal sewers, drains, natural streams or rivers. Dispose of wastes in an approved incinerator or waste treatment/disposal site, in accordance with all applicable regulations. Do not dispose of wastes in local sewer or with normal garbage. Empty drums should be taken for recycling, recovery, or disposal through a suitably qualified or licensed contractor.

EUROPE WASTE CODE:

16 03 03* - OFF SPECIFICATION BATCHES AND UNUSED PRODUCTS - Inorganic wastes containing dangerous substances. If this



product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code.

14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper Shipping Name / Hazard Class may vary by packaging, properties, and mode of transportation. Typical Proper Shipping Names for this product are as follows.

LAND TRANSPORT

- 14.1 UN number:** Not applicable
- 14.2 UN proper shipping name:** PRODUCT IS NOT REGULATED DURING TRANSPORTATION
- 14.3 Transport Hazard class(es):** Not applicable
- 14.4 Packing group:** Not applicable
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user:** Not applicable

AIR TRANSPORT (ICAO/IATA)

- 14.1 UN number:** Not applicable
- 14.2 UN proper shipping name:** PRODUCT IS NOT REGULATED DURING TRANSPORTATION
- 14.3 Transport Hazard class(es):** Not applicable
- 14.4 Packing group:** Not applicable
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user:** Not applicable

MARINE TRANSPORT (IMDG/IMO)

- 14.1 UN number:** Not applicable
- 14.2 UN proper shipping name:** PRODUCT IS NOT REGULATED DURING TRANSPORTATION
- 14.3 Transport Hazard class(es):** Not applicable
- 14.4 Packing group:** Not applicable
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user:** Not applicable
- 14.7 Transportation in large Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

15. REGULATORY INFORMATION

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

INTERNATIONAL CHEMICAL SUPERVISION LAWS



Mempa declares that registration, evaluation, authorization (REACH) of the chemicals complies to the EU Regulations fully. Thus we are registering all chemicals used in our product, imported and exported by us.

15.2 Chemical Risk Assessment:

Not required

16. OTHER INFORMATION

List Of Relevant R-Phrases, Notas And Hazard Statements In Section 2.1 And 3

- | | |
|-------------|-----------------------------------|
| H319 | - Causes serious eye irritation. |
| R36 | - Irritating to eyes. |
| R38 | - Irritating to skin. |
| R41 | - Risk of serious damage to eyes. |

This product Safety Data Sheet provides health, safety, and regulatory information. The information contained in this Safety Data Sheet is based on data available to us at the date of issue , and is provided in good faith, and believed to be accurate and reliable at the date of Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. Please consult your local sales representative for any further information.

References:

This safety data sheet is arranged with the remarks of an expert and in consideration of European Directives ((EC) No. 1907/2006, (EC) No. 1272/2008, 67/548/EEC, 1999/45/EC included), supplier data, internet, ESIS, IUCLID, ERICards, official regulatory data outside Europe and other data sources.

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