



SOZAL CHEMICAL INDUSTRY AND TRADE INC.

CATIONIC POLYACRYLAMIDE (CPAM) Page no. 1 / 8

Which Revision Number Is It?
New Revision Date: 03/09/2026
Preparation Date
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TR

Safety Data Sheet

This document has been prepared in accordance with the provisions of Annex II Regulation of the Turkish R&D Authority, numbered 30105 and dated 23.06.2017.

SECTION 1. Identification of the substance/mixture and of the company/distributor.

1.1. Substance/Mixture Identity

Cationic Polyacrylamide (CPAM) - Powder Flocculant

1.2. Identified uses and uses advised against for the substance or mixture.

Designated Uses	Industrial	Professional	Consumer
Industrial Flocculant	✓	-	-
Wastewater	✓	-	-
Treatment, Sludge Dewatering and Polyelectrolyte Applications	✓	-	-

1.3. Information of the safety data sheet supplier.

Company Name

Address

Country

SOZAL CHEMICAL INDUSTRY AND TRADE INC.

Kosab Güvenli Sok. No:7 Kestel 16450

Bursa Türkiye

+0902243315153

+090224-3315159

telephone fax

(TR)

1.4. Emergency telephone number

Please consult for urgent information.

Tel: +0902243315153

National Poison Control Center (UZEM): 114

SECTION 2. Hazard identification.

2.1. Classification of the substance or mixture

The product is not classified as a hazardous substance or mixture under the provisions of Regulation 28848/2013 (TC) SEA. However, it should be handled carefully due to the risk of fine dust inhalation and excessive slipperiness on wet surfaces.

2.2. Label elements

Hazard labels according to Regulation 28848/2013 (TC) SEA and subsequent amendments and adaptations.

Signs of Harm:



Warning Word:

Danger

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SECTION 2. Hazard identification ... / >>			
Signs of Harm: -- Warning Word: -- Hazard Statements: EUH210 Safety data sheet can be provided upon request. Special Hazard Warning (Physical Hazard): CAUTION - EXTREME SLIPPERY: When the product comes into contact with water or spills and wets the surface, it forms an extremely slippery gel layer. This leads to serious risks of falls and workplace accidents. The spilled area must be cleaned immediately using dry methods. Precautionary statements: P261 Avoid inhaling dust/fumes. P280 Wear protective gloves and safety glasses. P302+P352 IF IN CONTACT WITH SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN CONTACT WITH EYES: Rinse carefully with water for several minutes. Remove contact lenses if wearing them. Continue rinsing.			
2.3. Other damages			
Based on currently available information, the product does not contain more than 0.1% PBT or vPvB substances. The product does not contain substances with endocrine-disrupting properties at concentrations >= 0.1%.			
SECTION 3. Composition/Information about ingredients.			
3.1. Articles			
Irrelevant information			
3.2. Mixtures			
Contents:			
Introduction: Cationic Polyacrylamide (Copolymer Acrylamide/Cationic Monomer) Conc. %: x >= 88.0 CAS No: 35080-06-6 Classification 28848/2013 (TC) SEA Regulation: Not classified.			
Introduction: Free (Residual) Acrylamide Monomer Conc. %: x <= 0.05 CAS No: 79-06-1 Classification 28848/2013 (TC) SEA Regulation: Canc. 1B H350, Muta. 1B H340, Repr. 2 H361f, Acute Tox. 3 H301, Acute Tox. 4 H312, Acute Tox. 4 H312, Acute Tox. 4 H332, BHOT Rep. 1 H372, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sensit. 1 H317 (Note: Since the residual concentration in the product is below the limit values, the mixture is not harmful).			
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SECTION 3. Composition/Information about ingredients ... / >>			
Water and Moisture Conc. %: x <= 12.0 CAS No: 7732-18-5 *Note: The product has a molecular weight > 18,000,000 (18 million Daltons), a cationization degree of 58–62%, and a PDI distribution <= 2.0. Compliance with standard GB/T 31246.			
CHAPTER 4. First aid measures.			
4.1. Description of first aid measures RESPIRATION: If exposed to dust, move to fresh air. If coughing or respiratory irritation persists, seek medical advice/assistance. SWALLOWING: Seek medical advice/assistance. Rinse mouth with water. Only attempt to induce vomiting on the advice of a doctor. Do not give anything by mouth if the person is unconscious. SKIN CONTACT: Wash skin thoroughly with soap and water. Clean contaminated clothing. If irritation persists, consult a doctor. EYE CONTACT: To avoid mechanical scratching from dust particles, do not rub the eyes. Keep eyelids open and rinse immediately with plenty of water for at least 15 minutes. If irritation persists, consult a doctor. 4.2. Acute and delayed significant symptoms and effects Temporary mechanical irritation to the eyes and dryness of the skin may occur due to the powder form. 4.3. First signs that require medical intervention and specialized treatment. Apply symptomatic treatment.			
CHAPTER 5. Firefighting measures.			
5.1. Fire extinguishers SUITABLE FIRE EXTINGUISHING AGENTS: Water spray, carbon dioxide (CO2), dry chemical powder or foam. (Teams should exercise caution as using water will make the surface excessively slippery). UNSUITABLE EXTINGUISHING AGENTS: There is no particularly unsuitable equipment. 5.2. Specific hazards arising from the substance or mixture HARMFUL EFFECTS OF EXPOSURE IN CASE OF FIRE: If it undergoes thermal decomposition under very high temperatures, nitrogen oxides (NOx) and carbon oxides (CO, CO2) fumes may be released. Avoid inhaling combustion products. 5.3. Recommendations for firefighting teams GENERAL INFORMATION: Cool containers with water jets to prevent product deterioration. Always use full fire protective equipment. Be aware of the risk of slipping in wet areas. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING TEAMS: Self-contained open-circuit compressed air breathing apparatus (EN 137), fire-fighting protective clothing (EN 469), protective gloves (EN 659) and fire-fighting boots.			
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CHAPTER 6. Measures against accidental release.			
6.1. Personal precautions, protective equipment and emergency procedures			
Exercise extreme caution when stepping onto the casting area to avoid the risk of slipping. Wear a dust mask and safety glasses. Use appropriate protective equipment to prevent contamination of skin, eyes, and personal clothing.			
6.2. Environmental measures			
Prevent large spills from entering sewers or water sources.			
6.3. Methods and materials for containment and cleaning.			
Never wash directly by spraying water. Collect any spilled dry dust by sweeping or vacuuming it up. Wipe away any remaining fine debris with an absorbent material (sand, sawdust), then rinse thoroughly with plenty of water and quarantine the area until completely dry.			
6.4. References to other sections			
Information regarding personal protection and disposal is provided in sections 8 and 13.			
SECTION 7. Handling and storage			
7.1. Precautions for safe handling			
Prevent dust from rising and being inhaled. Ensure good ventilation. Do not eat, drink, or smoke while in use. Wash your hands after use.			
7.2. Conditions for secure storage, including disputes.			
Store in its original packaging, tightly closed, in a cool and completely dry place. The product will clump together and lose its solubility when exposed to moisture. Protect from direct sunlight.			
7.3. Specific end-use(s)			
No information available.			
SECTION 8. Exposure controls/personal protection			
8.1. Control parameters			
Regulatory references: Turkish Regulation on Health and Safety Measures in Working with Chemical Substances, dated 12.08.2013 / 28733. Limit value for residual monomer acrylamide: TWA: 0.1 mg/m3.			
8.2. Exposure controls			
HAND PROTECTION: The use of standard nitrile or rubber work gloves is recommended (EN 374).			
SKIN PROTECTION: Standard work apron and appropriate work clothing.			
EYE PROTECTION: Wear safety glasses that protect against dust (EN 166).			
RESPIRATORY PROTECTION: If dust concentrations are high, EN 149 approved dust masks with P2 or P3 particle filters should be used.			

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9.1. Information about basic physical and chemical properties

Odor: Odorless

available Lower explosive

limits: not available Flash point: not

available Decomposition temperature:

- 8.0 Kinematic viscosity: not

in water (forms a dense viscous gel)

available Vapor pressure: not

Relative vapor density: not available. Particle

properties: applicable (powder/granule form)

9.2.1. Information on physical hazard classes.

No information available.

9.2.2. Other security features

Solid content $\geq 88.0\%$, Dissolution time ≤ 60 minutes (at 0.1% concentration).

10.1. Reaction

Under normal conditions of use, there is no risk of special reactions with other substances.

10.2. Chemical stability

Chemical stability: Stable in dry environments and under normal storage conditions.

10.3. Possibility of harmful reactions

Possibility of harmful reactions: Under normal circumstances, no harmful reactions are anticipated.

10.4. Situations to avoid

Conditions to avoid: Humid and wet environments (causes clumping of the product), excessively high temperatures.

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CHAPTER 10. Stability and reactivity ... / >>			
10.5. Substances to avoid Substances to avoid: Strong oxidizing agents and reactive iron/copper metals can impair polymer chain stability. 10.6. Hazardous decomposition products Harmful decomposition products: Nitrogen oxides and carbon oxides in thermal decomposition.			
CHAPTER 11. Toxicological information			
11.1. Information about toxic effects ACUTE TOXICITY: Due to its polymeric structure, its acute toxicity is extremely low (Oral LD50, rat: >5000 mg/kg). SKIN ABRUPTION / SKIN IRRITATION: Does not meet the classification criteria. SERIOUS EYE DAMAGE / EYE IRRITATION: Does not meet classification criteria (excluding mechanical dust irritation). RESPIRATORY TRACT OR SKIN SENSITIZATION: Does not meet classification criteria. STRENGTH CELL MUTAGENICITY: Does not meet classification criteria. CARCINOGENICITY: The product is not classified as carcinogenic because the free acrylamide monomer content is limited to <= 0.05%. REPRODUCTIVE TOXICITY: Does not meet classification criteria. SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE: Does not meet classification criteria. Use the code carefully. SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE: Does not meet classification criteria. ASPIRATION HARM: Does not meet classification criteria. 11.2. Information about other hazards. The product does not contain substances with endocrine-disrupting properties.			
BÖLÜM 12. Ekolojik bilgiler			
12.1. Toxicity It is not toxic to fish and aquatic organisms. However, if mixed with water in large quantities, it can increase the viscosity (consistency) of the water, affecting local oxygen transfer. 12.2. Persistence and degradability It is slowly biodegradable. It is not inorganic. 12.3. Bioaccumulation potential Bioaccumulation potential: There is no bioaccumulation potential.			
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CHAPTER 12. Ecological information ... / >>			
12.4. Mobility in soil Mobility in soil: It dissolves completely in water to form a viscous gel; its mobility is low. 12.5. Results of PBT and vPvB evaluation Results of PBT and vPvB assessment: Contains no PBT or vPvB substances in percentages greater than 0.1%. 12.6. Endocrine disrupting properties Endocrine disrupting properties: Does not contain substances with endocrine disrupting properties. 12.7. Other adverse effects. No information available.			
SECTION 13. Disposal Information			
13.1. Waste processing methods This must be done by handing it over to a licensed company authorized to handle waste management in accordance with waste management regulations. Do not mix it with household waste. CONTAMINATED PACKAGING Contaminated packaging must be sent to licensed facilities for recycling or disposal.			
CHAPTER 14. Transportation Information			
It does not fall into the dangerous goods category according to international transport regulations (ADR, RID, IMDG, IATA). It does not have a UN number. It can be transported safely. 14.1. UN number Not applicable. 14.2. Appropriate UN shipping name Not applicable. 14.3. Transportation hazard class(es) Not applicable. 14.4. Packaging group Not applicable. 14.5. Environmental damage Not applicable.			
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CHAPTER 15. Regulatory information			
15.1. Safety, health and environmental regulations specific to the substance or mixture.			
Listed in accordance with the KKD�K Regulation No. 30105 dated 23/06/2017 and the GB/T 31246 Chinese National Standard.			
15.2. Chemical safety assessment			
A chemical safety assessment has not been carried out for the mixture.			
B�L�M 16. Diğ�r bilgiler			
Explanations of the legal terms used in sections 2 and 3 of the form: EUH210 Safety data sheet available upon request. It has a narrow molecular weight distribution (PDI <= 2.0) and, thanks to the homogeneity of its molecular structure, exhibits high flocculation and sludge dewatering performance even at low dosages.			
Prepared by: Name and Surname: Sena Nur �AF�K Contact Information: 0224-3315153 Document Validity Date: 26.03.2029 Certificate Number: NBC/04.69.06			
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