



ENVKEM INDUSTRIAL SOLUTIONS

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REF: *EIS/P/MSDS/003 - 0*

MATERIAL SAFETY DATA SHEET
ENVKEM – 9465 (CATIONIC POLYELECTROLYTE POWDER)

Section 1 - Chemical Product and Company Identification

PRODUCT NAME : CATIONIC POLYELECTROLYTE POWDER
Product / Part No : ENVKEM 9465

Chemical Formula : Formulated Chemicals

SUPPLIER'S DETAILS : **ENVKEM INDUSTRIAL SOLUTIONS**
No.9, Rajaji Street, Ramakrishna Nagar,
Valasaravakkam, Chennai – 600 087.
Telephone: 044 24863868, Telefax: 044 24865956.
E.Mail:sk@envkem.com.www.envkem.com.

Section 2 – Hazards Identification

Health effects:

Skin : May cause slight irritation, especially with repeated or prolonged exposure.

Eyes : May cause some irritation, which should cease on removal of the product.

Inhalation: May cause some irritation to the respiratory system if vapor/mist is inhaled

Ingestion: Low toxicity product.

Physical/Chemical effects: Not classified as hazardous by physical/chemical properties. Avoid extremities of temperature & humidity

Section 3 - Product characterization and Properties

CAS NO : 9003 – 05 – 8
POLY ACRYLAMIDE -100%

HAZARDOUS INGREDIENTS : NO HAZARDOUS INGREDIENTS

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Section 4 - First Aid Measures

Skin Contact : Wash contaminated area with soap and water. Contaminated clothing should be washed before re-use.

Eye Contact : Rinse the eye with water for 15 minutes. If there is any irritation obtains medical attention immediately.

Inhalation : Remove the casualty to the fresh air. Clean any blocked airways. If recovery is delayed seek medical advice.

Ingestion : Do not make the casualty vomit. If unconscious do not give anything by mouth. Check for breathing and pulse, if present, place in recovery position and obtain medical attention. If conscious rinse out the mouth with water. Give 1 pint of water to drink immediately and repeated drinks of water at a rate-of a cupful every 10 minutes. Obtain medical attention immediately.

Section 5 - Fire Fighting Measures

Extinguishing media:	Water, mist, foam, dry powder, CO2 Firemen have to wear self-contained breathing apparatus.
Extinguishing media which must not be used for safety reasons:	Not applicable
Special exposure hazards:	Not applicable
Special protective equipment for firefighters:	As for all fires involving chemicals: Chemical protection suit, suitable gloves and boots, and self-contained breathing apparatus.

Section 6- Accidental Release Measures

Personal precautions:	Use sufficient ventilation or wear a respirator. Take up with absorbent material and fill into a closable container.
Environmental precautions	No special environmental precautions required.
Methods for cleaning up	Sweep up and shovel into suitable containers for disposal. Residues or small spillages should be hosed away completely with plenty of water. Spilled product, which becomes wet or spilled aqueous solutions create a hazard because of their slippery nature. The spillage should be contained with earth or flushed with water for disposal.

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**Section 7- Handling and Storage**

Handling precautions:	Do not eat, drink or smoke whilst handling the product. Remove contaminated clothing immediately and launder before reuse. Wash hands after use. Wear gloves.
Methods conditions	Avoid wet, damp and humid conditions. Keep in a dry, cool place. Avoid extremes of temperature. The product must therefore be stored in dry, closed containers and protected from moisture. Do not use metal containers.

Section 8- Personal Protective Equipment

Respiratory protection	None recommended
Hand protection	Wear gloves
Eye protection	Goggles
Skin and body protection	Lightweight protective clothing

Section 9- Physical and Chemical Properties

Physical Appearance	COLORLESS POWDER
Boiling Point	Not Applicable
Melting Point	Not Applicable
Vapor Pressure	Not Applicable
Specific Gravity	1.13 to 1.16
Vapor Density	Not Applicable
Ph of 0.5% Solution	7
Evaporation Rate	60
Stock solutions(0.1%) viscosity(CPS))	Not Applicable
Ionic Charge	CATIONIC
Solubility in water	Complete

Section 10- Stability and Reactivity

Stability	Stable at ambient temperature
Conditions to avoid	None known
Hazardous decomposition	No thermal decomposition when stored and handled correctly

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Section 11- Toxicological Information

Toxicological information for the product is found under Section 3. HAZARDS IDENTIFICATION. Toxicological information on the OSHA regulated components of this is as follows.

This product contains no OSHA regulated (hazardous) components.

Section 12- Ecological Information

No aquatic LC50, BOD, or COD data available.

OCTANOL/H@) PARTITION COEF : Not available

Section 13- Other Information

Disposal Considerations: Disposal Considerations are to be made as per the local and state regulations applicable and levied by the concerned federal authority. Incineration for this product can be done at ENVKEM approved facilities. The person generating the waste to review waste classification and disposal methods as per local requirements.

Section 14- Transport Information

	US DOT	Canada TDG
Shipping Name	NOT REGULATED	NOT REGULATED
Hazard Class		
UN Number		
Packing Group		

Section 15- Regulatory Information

Supply Classification	
Hazard symbol	None
Risk phrases	None
Safety phrases	None

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Section 16- Additional Information

MSDS LAST REVISION DATE – MARCH 2015

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