

# Material Safety Data Sheet

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## Section I - Chemical Product And Company Identification

**Product Name: HB-86C**

CAS Number: N/A

HBCC MSDS No. CW02539



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## Section II - Composition/Information On Ingredients

Chemical Name	CAS Number	%	Exposure Limits (TWAs) in Air		
			ACGIH TLV	OSHA PEL	STEL
Poly(diallyldimethylammonium chloride)	26062-79-3	< 40	N/A	N/A	N/A

## Section III - Hazard Identification

**Routes of Exposure:** This product is irritating to the eyes, respiratory system and skin.

### Summary of Acute Health Hazards

**Ingestion:** May be harmful if swallowed. Seek medical attention.

**Inhalation:** Avoid prolonged inhalation of heated vapors.

**Skin:** Irritant

**Eyes:** Irritant

**Summary of Chronic Health Hazards:** N/A

**Medical Conditions Generally Aggravated by Exposure:** May aggravate medical conditions such as rashes, allergies or other sensitive areas. Symptoms may include reddening, swelling of affected areas with possible itching, burning or other discomfort.

**Note to Physicians:** N/A

## Section IV - First Aid Measures

**Ingestion:** If ingestion of a large amount does occur, seek medical attention.

**Inhalation:** Not an expected route of exposure.

**Skin:** Flush thoroughly with plenty of water.

**Eyes:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek immediate medical attention.

### Section V - Fire Fighting Measures

**Flash Point:** > 212°F, PMCC Method      **Autoignition Temperature:** Not Defined

**Lower Explosive Limit:** Not Defined      **Upper Explosive Limit:** Not Defined

**Unusual Fire and Explosion Hazards:** None known

**Extinguishing Media:** Dry chemical, foam, carbon dioxide, water fog

**Special Firefighting Procedures:** Firefighters should wear full protective clothing including self-contained breathing apparatus.

### Section VI - Accidental Release Measures

Absorb spill with inert material. Shovel material into appropriate container for disposal. Remove spills promptly as they make floors slippery. Several washes and/or the use of detergents may be necessary to completely clean any spill.

### Section VII - Handling and Storage

Handle as an irritant.

### Section VIII - Exposure Controls/Personal Protection

**Respiratory Protection:** Not required under normal operating conditions.

**Ventilation:** Provide adequate ventilation to minimize worker exposure.

**Protective Clothing:** Skin contact should be minimized. Impervious gloves (rubber or neoprene) are recommended.

**Other Protective Clothing or Equipment:** Safety glasses or goggles

**Work/Hygienic Practices:** Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

### Section IX - Physical and Chemical Properties

**Physical State:** Liquid

**pH:** 5.0-7.0

**Melting Point/Range:** 27-32°F

**Boiling Point/Range:** > 212°F

**Appearance/Color/Odor:** Amber viscous liquid, mild amine odor

**Solubility in Water:** Water Soluble

**Vapor Pressure (mmHg):** N/A

**Specific Gravity (Water=1):** 1.10 (water = 1)

**Molecular Weight:** N/A

**Density (Air=1):** N/A

**% Volatiles:** N/A

**Evaporation Rate, (Bu-Ac=1):** < 1 (butyl acetate = 1)

**How to detect this compound :**  
N/A

**Viscosity:** 1000-3000 cps @ 25°C

### Section X - Stability and Reactivity

**Stability:** Stable under usual application

**Hazardous Polymerization:** Will not

conditions

occur

**Conditions to Avoid:** N/A

**Materials to Avoid:** N/A

**Hazardous Decomposition Products:** None Identified

### Section XI - Toxicological Information

Acute Toxicity-LD50/LC50

Poly(diallyldimethylammonium chloride) (26062-79-3)

LD50 Oral LD50 Rat: 3 mg/kg

Oral LD50 Mouse: 1720 mg/kg

### Section XII - Ecological Information

Aquatic LC50

(Ceriodaphnia Magna: 48 hrs): 0.57 mg/l in 100 mg/l CaCO<sub>3</sub>

(Pimephales promelas: 96 hrs): 16.3 mg/l in 180 mg/l CaCO<sub>3</sub>; with 10 mg/l TOC (Total Organic Carbon) from humic acid

(Pimephales promelas: 96 hrs): 0.75 mg/l in 100 mg/l CaCO<sub>3</sub>

Aquatic toxicity is reduced by factors from 10 to 100 times in the presence of 5 to 10 mg/l organic carbon as is found in most surface waters.

### Section XIII - Disposal Considerations

Incinerate or dispose of unadulterated product as a non-hazardous waste. Solidify and landfill according to local state and federal regulations. Contain and collect using absorbent material as needed.

### Section XIV - Transport Information

**DOT Proper Shipping Name:** N/A

**DOT Hazard Class/ I.D. No.:** N/A

### Section XV - Regulatory Information

**Reportable Quantity:** N/A

**NFPA Rating:** Health - 1; Fire - 1; Reactivity - 0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

**Carcinogenicity Lists:** NTP: No **IARC Monograph:** No **OSHA Regulated:** No

### Section XVI - Other Information

**Synonyms/Common Names:** N/A

**Chemical Family/Type:** N/A

**Sections changed since last revision:** First Issue

**IMPORTANT!** Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable.

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