

**ADEGA CHEMICAL COMPANY**  
**MATERIAL SAFETY DATA SHEET**  
**Material Name: CP-100**

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**Manufacturer/Supplier's Name:** ADEGA CHEMICAL  
27917 Paseo El Concho  
San Juan Capistrano, CA 92675

**PRODUCT AND TECHNICAL INFORMATION NUMBER:** (949) 275-7208

**NFPA RATING: HEALTH: 2      FLAMMABILITY: 1      INSTABILITY: 0**

**HMIS RATING: HEALTH: 2      FLAMMABILITY: 1      PHYSICAL HAZARD: 0**  
**PERSONAL PROTECTION: X**

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**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT NAME:** CP-100  
**CHEMICAL FAMILY:** Copolymer of a Quaternary Acrylate Salt and Acrylamide.  
**INTENDED USE:** Flocculant

**EMERGENCY 24-HOUR HEALTH/ENVIRONMENTAL PHONE: 1-800-973-1138**

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**SECTION 2 - HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW**

**SIGNAL WORD:** CAUTION!

**PHYSICAL FORM:** Granular powder

**COLOR:** White

**ODOR:** Little or no

**HEALTH:** Contact causes eye irritation. Inhalation of dust may cause respiratory tract irritation.

**PHYSICAL HAZARDS:** Slip hazard when wet, refer to MSDS Section 7 for dust explosion information.

**ENVIRONMENTAL:** Releases to the environment are to be avoided

**OSHA HAZARDOUS SUBSTANCE:** This material is classified as hazardous under OSHA regulations.

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**PRIMARY ROUTE(S) OF ENTRY:** Eyes, skin, inhalation, ingestion

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**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

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**HAZARDOUS COMPONENTS**

Components	CAS Number	Weight %
Ethanaminium, N, N, N-trimethyl-2-[(1-xox-2-propenyl)oxy]-, chloride, polymer with 2-propenamide	69418-26-4	87.4%
Hexanedioic acid	124-04-9	4.6

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**SECTION 4 – FIRST AID MEASURES**

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**EYES:** Immediately flush the eye(s) with lukewarm, gently flowing water for 15 minutes or until the chemical is removed. Get medical attention.

**SKIN:** Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs. If clothing is contaminated, remove and launder before reuse.

**INHALATION:** Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen and get immediate medical attention.

**INGESTION:** Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

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**SECTION 5 – FIRE FIGHTING MEASURES**

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**FIRE FIGHTING MEASURES:** Standard procedure for chemical fires.

**SUITABLE EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical or foam.

**UNSUITABLE EXTINGUISHING MEDIA:** The product becomes slippery when wet. If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

**FIRE FIGHTING EQUIPMENT:** Wear self contained breathing apparatus and protective suit.

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**UNUSUAL HAZARDS:** Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

**HAZARDOUS COMBUSTION PRODUCTS:** Burning may produce oxides of carbon or nitrogen.

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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**CLEANUP INSTRUCTIONS:** Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Wear suitable protective equipment. Should not be released into the environment.

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**SECTION 7 – HANDLING AND STORAGE**

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**HANDLING:** As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin, and clothing contact. Do not inhale, taste, or swallow. Use only with adequate ventilation.

**STORAGE:** Keep containers tightly closed in a cool, well-ventilated place. Avoid wet, damp or humid conditions, temperature extremes and ignition sources.

**EXPLOSION HAZARDS:** Avoid creating dusty conditions. Risk of explosion if an air-dust mixture forms.

**FOR INDUSTRIAL USE ONLY**

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**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**EXPOSURE GUIDELINES:**

Components	OSHA PEL	OSHA STEL	ACGIH TWA	ACGIH STEL	Ciba / Manufacturer IEL:
Hexanedioic acid			5 mg/m <sup>3</sup>		

Table Footnote: Blank cells in above table indicate no data available

**PERSONAL PROTECTIVE EQUIPMENT**

**EYE/FACE PROTECTION:** Wear safety glasses or goggles to protect against dust particles.

**SKIN PROTECTION:** Wear chemical restraint gloves and protective clothing.

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- RESPIRATORY PROTECTION:** Use NOISH approved respirator as needed to mitigate exposure.
- ENGINEERING CONTROLS:** Work in well ventilated areas. Do not breathe dust. Local exhaust / ventilation recommended.
- OTHER PROTECTIVE EQUIPMENT:** Eye wash station and safety shower should be available in immediate work area. Select additional protective equipment based upon potential for exposure.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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<b>PHYSICAL FORM:</b>	Granular powder
<b>COLOR:</b>	White
<b>ODOR:</b>	Little or no
<b>FREEZING/MELTING POINT:</b>	Not determined
<b>SOLUBILITY IN WATER:</b>	Soluble, solubility limited by viscosity
<b>VAPOR DENSITY:</b>	Not applicable
<b>VAPOR PRESSURE:</b>	Not applicable
<b>DENSITY:</b>	Not determined
<b>SPECIFIC GRAVITY:</b>	0.8-1
<b>PH:</b>	-3.3 (1% solution)
<b>PERCENT VOLATILE:</b>	Negligible
<b>VOC:</b>	0% (EPA method 24/24A)
<b>PARTITION COEFFICIENT (OCTANOL/WATER):</b>	Not determined
<b>DECOMPOSITION TEMPERATURE:</b>	Not determined
<b>FLAMMABILITY LIMITS IN AIR:</b>	
<b>FLASH POINT:</b>	Not applicable
<b>TEST METHOD (FOR FLASH POINT):</b>	Not applicable

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**SECTION 10 – STABILITY AND REACTIVITY**

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- STABILITY:** Stable
- CONDITIONS TO AVOID:** Avoid high temperatures. Avoid wet and humid conditions. Avoid static discharges and sources of ignition.
- INCOMPATIBILITY:** Strong oxidizing agents. (may degrade polymer)
- HAZARDOUS DECOMPOSITION PRODUCTS:** No decomposition expected under normal storage conditions.

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**POSSIBILITY OF HAZARDOUS REACTIONS:** Product has a high minimum ignition energy; however, dust may be ignited under some conditions.

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

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**ACUTE ORAL TOXICITY:** Not determined

**ACUTE DERMAL TOXICITY:** Not determined

**ACUTE INHALATION TOXICITY:** Not determined

**EYE IRRITATION:** Not determined

**SKIN IRRITATION:** Not determined

**SKIN SENSITIZATION:** Not determined

**CARCINOGENICITY (IARC;NTP;OSHA;ACGIH):**  
None of the components in this product at concentrations greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

**CARCINOGENICITY STUDIES:** Not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

**MUTAGENICITY:** Not determined

**REPORODUCTIVE TOXICITY:** Not determined

**TERATOGENICITY:** Not determined

**NEUROTOXICITY:** Not determined

**SUBACUTE TOXICITY:** Not determined

**SUBCHRONIC TOXICITY:** Not determined

**CHRONIC TOXICITY:** Not determined

**ABSORPTION / DISTRIBUTION 1  
EXCERTION / METABOLISM:** Not determined

**ADDICTION INFORMATION:** Not determined

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**SECTION 12 – ECOLOGICAL INFORMATION**

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<b>TOXICITY TO FISH:</b>	Not determined
<b>TOXICITY TO INVERTEBRATES:</b>	LC50: 48 hour (Daphnia MAGNA) > 100 mg/L (under static conditions in the presence of humic acid)
<b>TOXICITY TO ALGAE:</b>	Not determined
<b>TOXICITY TO SEWAGE BACTERIA:</b>	Not determined
<b>ACTIVATED SLUDGE RESPIRATION INHIBITION TEST:</b>	Not determined
<b>BIOCHEMICAL OXYGEN DEMAND (BOD):</b>	Not determined
<b>CHEMICAL OXYGEN DEMAND (COD):</b>	Not determined
<b>TOTAL OXYGEN DEMAND (TOD):</b>	Not determined
<b>BIODEGRADABILITY:</b>	Not determined
<b>BIOACCUMULATION:</b>	Not determined
<b>ADDITIONAL ENVIRONMENTAL DATA:</b>	This product contains polymer(s) that may be toxic to aquatic organisms when tested in pure (distilled) water. Toxicity is greatly reduced by particles in natural water.

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

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<b>WASTE DISPOSAL:</b>	Dispose in accordance with local, state, provincial and federal regulations.
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**SECTION 14 – TRANSPORT INFORMATION**

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<b>U.S. DEPARTMENT OF TRANSPORTATION (DOT):</b>	Not regulated for this mode of transport
<b>INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG):</b>	Not regulated for this mode of transport

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**INTERNATIONAL AIR TRANSPORTATION AUTHORITY:** Not regulated for this mode of transport

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**SECTION 15 – REGULATORY INFORMATION**

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**FEDERAL REGULATIONS**

**OSHA HAZARDOUS SUBSTANCE:** This material is classified as hazardous under OSHA Regulations.

**CLEAN AIR ACT – HAZARDOUS AIR POLLUTANTS (HAP):**  
This product contains the following Hazardous Air Pollutants (HAP) as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

<b>Components</b>	<b>CAA Section 112 Statutory Hazardous Air Pollutants</b>
2-propenamide 79-06-1 (0-0.09%)	Listed.

**CLEAN AIR ACT – VOLATILE ORGANIC COMPOUNDS (VOC):**  
This product contains the following SOCOMI Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 60.489)

<b>Components</b>	<b>CAA Section 111 Volatile Organic Compounds</b>
Hexanedioic acid 124-04-9	Listed.
2-propenamide 79-06-1	Listed.

**CLEAN AIR ACT – OZONE DEPLETING SUBSTANCES (ODS):**  
This product neither contains, nor was manufactured with a class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+b).

**CLEAN WATER ACT - PRIORITY POLLUTANTS (PP):**  
This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

**RESOURCE CONSERVATION AND RECOVERY ACT (RCRA):**  
Not a hazardous waste under RCRA (40 CFR 261.21).

**SARA SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (EHS):**  
This product contains the following component(s) regulated under Section 302 (40 CFR 355) as extremely hazardous substances.

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<b>Components</b>	<b>Section 302 Extremely Hazardous Substances (EHS)</b>
2-propenamide 79-06-1 (0-0.9%)	Listed.

**SARA SECTION 304 CERCLA HAZARDOUS SUBSTANCES:**

This product contains the following component(s) regulated under Section 304 (40 CFR 203) as hazardous chemical for emergency release notification ("CERCLA" list).

<b>Components</b>	<b>Section 304 CERCLA Hazardous Substances</b>	<b>CERCLA Reportable Quantity</b>
Hexanedioic acid 124-04-9 (4.6%)	Listed.	5000 LBS
2-propenamide 79-06-1 (0-0.09%)	Listed	5000 LBS

**SARA SECTION 311/312 HAZARD COMMUNICATION STANDARD (HCS):**

This product is regulated under section 311/312 HCS (40 CFR 370). Its hazard(s): acute (immediate) health hazard.

**SARA SECTION 313 TOXIC CHEMICAL LIST (TCL):**

This product does not contain any components reportable under Sec 313 (40 CFR 372).

**TSCA SECTION 8(B) INVENTORY STATUS:**

All component(s) comprising this product are either exempt or listed on the TSCA inventory.

**TSCA SECTION 5(E) CONSENT ORDERS:**

This product is not subject to a Section 5(e) Consent Order.

**TSCA SIGNIFICANT NEW USE RULE (SNUR):**

This product is not subject to a Significant New Use Rule (SNUR).

**TSCA SECTION 5(F):** This product is not subject to a Section 5(f)/6(a) rule.

**TSCA SECTION 12(B) EXPORT NOTIFICATION:**

This product does not contain any component(s) that are subject to a Section 12(b) Export Notification.

**STATE REGULATIONS**

**CALIFORNIA PROPOSITION 65:**

This product contains the following component(s) currently on the California list of Known Carcinogens and Reproductive Toxins.



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<b>Components</b>	<b>California Proposition 65</b>
2-propenamide 79-06-1	Carcinogenic

**PENNSYLVANIA RIGHT-TO-KNOW:**

This product contains the following component(s) which are subject to Pennsylvania Right-To-Know disclosure requirement.

<b>Components</b>	<b>CAS Number</b>	<b>Pennsylvania Right-To-Know</b>
Ethanaminium, N, N, N-trimethyl-2-[(1-oxo-2-propenyl)oxy]-, chloride, polymer with 2-propenamide	69418-26-4	Not Listed.
Hexanadioic acid	124-07-9	Listed. Environmental hazard.
Water	7732-18-5	Not Listed
2-propenamide	79-06-1	Listed. Environmental hazard.

**INTERNATIONAL REGULATIONS**

**CHEMICAL WEAPONS CONVENTION (CWC):**

This product does not contain any component(s) listed under the Chemical Weapons Convention Schedule of Chemicals.

**DOMESTIC SUBSTANCE LIST (DSL) STATUS:**

All components either exempt or listed on the DSL.

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**SECTION 16 – OTHER INFORMATION**

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**REASON FOR REVISION:** Section(s) revised: 2,4,11,15 & NFPA / HMIS Rating

**DISCLAIMER:**

The information contained herein is based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to such data or information. The user is responsible for determining whether the product is suitable for its intended conditions of use.