

# MATERIAL SAFETY DATA SHEET

PAGE #: 1 OF 4

PRODUCT NAME: WT-9011

MSDS NUMBER: 122001WT9011

PRODUCT CODE: Coagulant

MSDS DATE: 12/20/2001

KEY NUMBER: WT-9011

EMERGENCY PHONE #'s: (800) 255-3924 (ChemTel)



## Advanced Chemical Technology, Inc.

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<b>HEALTH</b>	<b>1</b>	Slightly Hazardous
<b>FIRE</b>	<b>0</b>	Will Not Burn
<b>REACTIVITY</b>	<b>0</b>	Stable
<b>SPECIFIC</b>		-

### 1. IDENTIFICATION

See Addendum: Ref. PAGE:

**Chemical Name:** WT-9011

**Chemical Family:** Coagulant

**CAS #:** Mixture

**Chemical Formula:** Mixture

**CAS Name:** Mixture

**Molecular Weight:** Mixture

**Synonyms / Common Name:** Wastewater Treatment Coagulant

**DOT Information:** Non-regulated

### 2. PHYSICAL DATA

See Addendum: Ref. PAGE:

**Appearance:** Clear Liquid

**Color:** Water white

**State:** Liquid

**Odor Characteristics:** None

**pH:** 4.0-4.4

**Viscosity:** ND

**Specific Gravity (Water = 1):** 1.33-1.35

**Vapor Density (Air = 1):** ND

**Vapor Pressure:** ND

**Melting Point:** NA

**Boiling Point:** 100.7 °C

**Flash Point:** None

**Freezing Point:** -8.33 °C

**Percent Volatility:** NE

**Evaporation Rate (BAc = 1):** <1

**Solubility in Water:** Miscible

**Solubility in Oil:** NA

**Solubility in Acetone:** NA

### 3. INGREDIENTS

See Addendum: Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Aluminum Hydroxychloride	12042-91-0	Aluminum Hydroxychloride	2 mg/M3	50
Water	7732-18-5	Water	NA	50

### 4. FIRE AND EXPLOSION HAZARD DATA

See Addendum: Ref. PAGE:

**Flash Point:** None

**Flammable Limits in Air % by volume:** Lower NA  
Upper NA

**Extinguishing Media:** Will not burn; use materials appropriate for surrounding fire

**Special Fire Fighting Procedures:** Keep containers cool with a water spray.

**Unusual Fire & Explosion Hazards:** Possible formation of hazardous chlorine compounds



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**5. HEALTH HAZARD DATA**

See Addendum:

PAGE #:

**Threshold Limit Value:**

Not specifically regulated as toxic or hazardous by OSHA. The ACGIH TLV for mists, dusts, or soluble aluminum salts is 2 mg/m<sup>3</sup> as Al (8 hour time-weighted average)

**Effects of Overexposure:**

**Inhalation:** Although unlikely to occur, inhalation may result in an adverse reaction to persons previously sensitized to the material

**Skin Contact:** Skin contact may cause irritation. Skin may dry or crack due to astringent nature of material.

**Eye Contact:** Eye contact results in mild irritation and redness

**Ingestion:** Effects of small amounts are negligible; large amounts may injure slightly.

**Delayed Effects:** ND

**Medical Conditions Aggravated by Exposure** ND

**6. FIRST AID MEASURES**

See Addendum:

PAGE #:

**Inhalation:** Remove to fresh air

**Skin Contact:** Flush skin with water. Remove contaminated clothing; wash before reuse.

**Eye Contact:** Flush eyes with water for 15 minutes. Seek medical attention

**Ingestion:** None needed

**NOTES TO PHYSICIAN:** None

**7. REACTIVITY DATA**

See Addendum:

PAGE #:

**Stability:** Stable

**Incompatibility:** Strong bases  
(materials to avoid)

**Hazardous Combustion or Decomposition Products** Will not occur.

**Hazardous Polymerization:** Will not occur

**Conditions to Avoid:** Do not mix with other industrial chemicals.

**8. SPILL OR LEAK PROCEDURES**

See Addendum:

PAGE #: 4

**Actions to take for Leaks & Spills**

Review safety precautions before proceeding with cleanup. Use appropriate personal protection equipment. Dike area around spill to prevent spreading, and use absorbant material to pick up spill.

**Waste Disposal Method:** Dispose of waste in accordance with applicable federal, state, and local laws.



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**9. SPECIAL PROTECTION INFORMATION**

See Addendum:

Ref. PAGE:

**Respiratory Protection:** Adequate Ventilation should be provided to keep vapor and mists below exposure limits. Wear a NIOSH/OSHA approved respirator if there is a potential of exposure to mists in excess of applicable limits.

**Eye Protection:** Protective goggles and face shields

**Skin Protection:** Rubber gloves, aprons, and protective clothing

**Other Clothing:** Long shirts and pants are recommended

**Other Equipment:** None

**Engineering Controls:** Normal

**10. HANDLING AND STORAGE**

See Addendum:

Ref. PAGE:

**Special Precautions:** Good housekeeping practices and normal protective clothing

**Other Precautions:** None

**11. REGULATORY INFORMATION**

See Addendum:

Ref. PAGE: 4

**Workplace Classification:** Not listed by NTP, IARC, OSHA

**12. TOXICOLOGICAL INFORMATION**

See Addendum:

Ref. PAGE:

**Acute Data:** NE

**Reproductive /  
Teratology Data** NE

**13. ECOLOGICAL INFORMATION**

See Addendum:

Ref. PAGE:

**Fate in the Environment:** NE

**14. DISPOSAL CONDITIONS**

See Addendum:

Ref. PAGE:

**Procedures:** Follow all Local, State, and Federal environmental regulations for disposal

**15. TRANSPORTATION INFORMATION**

See Addendum:

Ref. PAGE:

**DOT Classification:** Non-Regulated  
Water Treatment Compound N.O.S.

**Warning Labels:** None



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**ADDENDUM for Section - 8. SPILL OR LEAK PROCEDURES - Ref. Pg. 2**

Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine whether a substance should be classified as a hazardous waste at the time of disposal. This is due to the fact that product use, transformation, synthesis, mixtures, etc. may change the nature of the product.

**ADDENDUM for Section - 11. REGULATORY INFORMATION - Ref. Pg. 3**

**SARA/TITLE III - SECTION 304 EMERGENCY NOTIFICATION REPORTING**

This product does not contain a Section 304 listed hazardous substance for emergency release notification

**SARA/TITLE III - SECTION 313 TOXIC CHEMICAL RELEASE REPORTING**

This product does not contain a Section 313 listed toxic chemical subject to release reporting requirements.

**TSCA INVENTORY STATUS**

All chemical components are listed on TSCA inventory

**CALIFORNIA PROPOSITION 65 STATUS**

This product does not contain chemicals currently on the California list of known carcinogens and/or reproductive toxins.

**ADDENDUM for Section - Other Information**

NA = Not Applicable

ND = Not Determined

NE = Not Established

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