

MATERIAL SAFETY DATA SHEET

PAGE #: 1 OF 5

PRODUCT NAME: WT-9305

MSDS NUMBER: 92302WT9305

PRODUCT CODE: Anionic Polymer

MSDS DATE: 9/23/2002

KEY NUMBER: WT-9305

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



Advanced Chemical Technology, Inc.

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HEALTH	1	Slightly Hazardous
FIRE	0	Will Not Burn
REACTIVITY	0	Stable
SPECIFIC		-

1. IDENTIFICATION See Addendum: Ref. PAGE:

Chemical Name: WT-9305

Chemical Family: Anionic polymer

CAS #:

Chemical Formula: NDMD

CAS Name: Anionic Acrylamide copolymer powder

Molecular Weight: 18-20 million

Synonyms / Common Name: Anionic Flocculant

DOT Information: Non-regulated

2. PHYSICAL DATA See Addendum: Ref. PAGE:

Appearance: Granular Solid

Color: White

State: Granular

Odor Characteristics: none

pH: 4- 9 @ 5g/l for product series

Viscosity: NA

Specific Gravity (Water = 1): ND

Vapor Density (Air = 1): ND

Vapor Pressure: ND

Melting Point: NA

Boiling Point: NA

Flash Point: None

Freezing Point: NA

Percent Volatility: NA

Evaporation Rate (BAc = 1): NA

Solubility in Water: Slight

Solubility in Oil: ND

Solubility in Acetone: ND

3. INGREDIENTS See Addendum: Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Acrylamide copolymer powder	ND	ND	Nuisance dust 15 mg/m3	100

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: Water, water spray, foam, carbon dioxide, dry powder

Special Fire Fighting Procedures: None

Unusual Fire & Explosion Hazards: Aqueous solutions or powders that become wet render surfaces extremely slippery

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MATERIAL SAFETY DATA SHEET PAGE #: 2 OF 5

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5. HEALTH HAZARD DATA See Addendum:

PAGE #:

Threshold Limit Value: Nuisance dust 15 mg/m³**Effects of Overexposure:****Inhalation:** This product is not expected to be toxic by inhalation**Skin Contact:** The results of testing on rabbits showed this material to be non-irritating to the skin.**Eye Contact:** Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all granular materials have on conjunctivae.**Ingestion:** LD50/oral/rat=5000 mg/kg. The results of testing on rabbits showed this material to be non-toxic even at high dose levels.**Delayed Effects:** ND**Medical Conditions Aggravated by Exposure** ND**6. FIRST AID MEASURES** See Addendum:

PAGE #:

Inhalation: Move to fresh air if subject is overcome by excessive dust. Consult a physician in case of irritation or other symptoms.**Skin Contact:** Wash with soap and water as a precaution. In case of skin irritation, consult a physician.**Eye Contact:** Rinse with plenty of water. In case of persistent eye irritation, consult a physician.**Ingestion:** No hazards which require special first aid measures**NOTES TO PHYSICIAN:** None**7. REACTIVITY DATA** See Addendum:

PAGE #:

Stability: Product is stable, no hazardous polymerization will occur.**Incompatibility:** Oxidizing agents may cause exothermic reactions
(materials to avoid)**Hazardous Combustion or Decomposition Products** Nitrogen oxides (NO_x), carbon oxides**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 DO NOT FLUSH WITH WATER. Clean up promptly by scoop or vacuum. Keep in suitable closed containers for disposal. AFTER CLEANING, flush away traces with water.**Waste Disposal Method:** Burn in an adequate incinerator or bury in landfill in accordance with all Federal, State, and Local regulations.

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9. SPECIAL PROTECTION INFORMATION See Addendum:

Ref. PAGE:

Respiratory Protection: Dust safety masks are recommended where concentration of total dust is more than 15 mg/m³**Eye Protection:** Safety glasses with side-shields. Do not wear contact lenses**Skin Protection:** Chemical resistant apron or protective suit is splashing or repeated contact with solution is likely.**Other Clothing:** NA**Other Equipment:** NA**Engineering Controls:** Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.**10. HANDLING AND STORAGE** See Addendum:

Ref. PAGE:

Special Precautions: Keep in a dry, cool place (0 - 35 °C)**Other Precautions:** For good industrial hygiene, avoid contact with skin and eyes, avoid forming dust/mist. Wash hands before breaks and at the end of the workday.**11. REGULATORY INFORMATION** See Addendum:

Ref. PAGE: 4

Workplace Classification: Non-hazardous**12. TOXICOLOGICAL INFORMATION** See Addendum:

Ref. PAGE:

Acute Data: Oral: LD50/oral/rat=5000 mg/kg
Dermal: The product is not expected to be toxic in contact with the skin**Reproductive /
Teratology Data** NE**13. ECOLOGICAL INFORMATION** See Addendum:

Ref. PAGE: 4

Fate in the Environment: The product is not considered toxic to aquatic organisms or harmful to the aquatic environment. However, as with all chemical products, do not introduce directly into the environment.**14. DISPOSAL CONDITIONS** See Addendum:

Ref. PAGE:

Procedures: Waste from residues/unused products: Burn in an adequate incinerator or bury in landfill in accordance with all applicable regulations.**15. TRANSPORTATION INFORMATION** See Addendum:

Ref. PAGE:

DOT Classification: 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 - 13. ECOLOGICAL INFORMATION - Ref. Pg. 3

-Fish LC50/Fathead minnows 96 hours/ > 100 mg/l

Algae EC50/Selenastrum capricornutum/72hours > 500 mg/l

Bioaccumulation: This product is not expected to bioaccumulate

Persistence/Degradability: Not readily biodegradable.



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ADDENDUM for Section - Other Information

NA = Not Applicable

ND = Not Determined

NE = Not Established

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Advanced Chemical Technology makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. Accordingly, Advanced Chemical Technology will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied or merchantability fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.

ADDENDUM for Section -

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