



MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name: ChemTreat P8305E
Product Use: Water Clarification/Solids Conditioning Agent
Supplier's Name: ChemTreat, Inc.
Emergency Telephone Number: (800) 424-9300 (Toll Free)
(703) 527-3887
Address (Corporate Headquarters): 5640 COX ROAD
Glen Allen, VA 23060
Telephone Number for Information: (800) 648-4579
Date of MSDS: January 6, 2012

Section 2. Hazard(s) Identification



Signal Word: WARNING!

Hazard Statement(s): May be harmful in contact with skin.
May be harmful if inhaled.
May be harmful if swallowed.

Precautionary Statement(s): No significant health risks are expected from exposures under normal conditions of use.

Section 3. Composition/Hazardous Ingredients

| Component | CAS Registry # | Wt.% |
|--|----------------|------|
| There are no hazardous ingredients in this product as defined in 29 CFR 1910.1200. | Proprietary | N/A |

Section 4. First Aid Measures

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Skin: Wash with plenty of soap and water. Call a poison center or doctor/physician if you feel unwell.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth. Call a POISON



CENTER or doctor/physician if you feel unwell.

Notes to Physician: N/A

Additional First Aid Remarks: N/A

Section 5. Fire Fighting Measures

Flammability of the Product: Not flammable.

Suitable Extinguishing Media: Use extinguishing media suitable to surrounding fire.

Specific Hazards Arising from the Chemical: None known.

Protective Equipment: If product is involved in a fire, wear full protective clothing including a positive-pressure, NIOSH approved, self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal Precautions: Use appropriate Personal Protective Equipment (PPE).

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

Methods for Cleaning up: Contain and recover liquid when possible. Flush spill area with water spray.
Material is very slippery if spilled.

Other Statements: None.

Section 7. Handling and Storage

Handling: Wear appropriate Personal Protective Equipment (PPE) when handling this product. Do not get in eyes, or on skin and clothing. Wash thoroughly after handling. Do not ingest. Avoid breathing vapors, mist or dust.

Storage: Store away from incompatible materials (see Section 10). Store at ambient temperatures. Keep container securely closed when not in use. Label precautions also apply to empty container. Recondition or dispose of empty containers in accordance with government regulations. For Industrial use only.
Keep from freezing.
Protect from heat and sources of ignition.



Section 8. Exposure Controls/Personal Protection

Exposure Limits

| Component | Source | Exposure Limits |
|--|--------|-----------------|
| There are no hazardous ingredients in this product as defined in 29 CFR 1910.1200. | | N/E |

Carcinogenicity Category

| Component | Source | Code | Brief Description |
|--|--------|------|-------------------|
| There are no hazardous ingredients in this product as defined in 29 CFR 1910.1200. | | | N/E |

Engineering Controls:

Use only with adequate ventilation. The use of local ventilation is recommended to control emission near the source.

Personal Protection

Eyes:

Wear chemical splash goggles or safety glasses with full-face shield. Maintain eyewash fountain in work area.

Skin:

Maintain quick-drench facilities in work area.
Wear butyl rubber or neoprene gloves. Wash them after each use and replace as necessary. If conditions warrant, wear protective clothing such as boots, aprons, and coveralls to prevent skin contact.

Respiratory:

If misting occurs, use NIOSH approved organic vapor/acid gas dual cartridge respirator with a dust/mist prefilter in accordance with 29 CFR 1910.134.

Section 9. Physical and Chemical Properties

| | |
|--------------------------------|--------------------------------|
| Physical State and Appearance: | Liquid Emulsion, White, Opaque |
| Specific Gravity: | 1.027 @ 20°C |
| pH: | 4.3 @ 20°C, 100.0% |
| Freezing Point: | 0°F |
| Flash Point: | >212°F |
| Odor: | Mild |
| Melting Point: | N/A |
| Boiling Point: | N/D |
| Solubility in Water: | N/D |
| Evaporation Rate: | N/A |
| Vapor Density: | N/D |
| Molecular Weight: | N/D |
| Viscosity: | 1200 cps |
| Flammable Limits: | N/A |
| Autoignition Temperature: | N/A |
| Density: | 8.57 lb/ga |



Vapor Pressure:
% VOC

0.13 mmHg, @ 20C
0

Section 10. Stability and Reactivity

Chemical Stability: Stable at normal temperatures and pressures.

Incompatibility with Various Substances: Strong oxidizers, Strong bases

Hazardous Decomposition Products: Oxides of carbon, Oxides of nitrogen, Hydrogen chloride

Possibility of Hazardous Reactions: None known.

Section 11. Toxicological Information

| Chemical Name | Exposure | Type of Effect | Concentration | Species |
|------------------|----------|----------------|---------------|---------|
| ChemTreat P8305E | Oral | LD50 | >5000 mg/kg | Rat |

Comments: None.

Section 12. Ecological Information

| Species | Duration | Type of Effect | Test Results |
|--------------------|----------|----------------|--------------|
| Ceriodaphnia dubia | 48h | LC50 | 1.2 mg/l |
| Fathead Minnow | 96h | LC50 | 28 mg/l |

Comments: Water clarification polymers function by multipoint adsorption and charge neutralization with suspended solids. Polymers inherently migrate with solids in the separation process and with the exception of uneconomic overdose do not remain in the clarified waters. Aquatic toxicity determinations in test method protocol waters without suspended solids overestimate the toxicity compared to natural receiving waters.



Section 13. Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

DOT

| | |
|------------------------------|--|
| Proper Shipping Name: | COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID |
| Technical Name: | N/A |
| Hazard Class: | Not D.O.T. Regulated |
| UN/NA#: | N/A |
| Packing Group: | N/A |

IMDG

| | |
|------------------------------|--|
| Proper Shipping Name: | COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID |
| Technical Name: | N/A |
| Hazard Class: | Not D.O.T. Regulated |
| UN/NA#: | N/A |
| Packing Group: | N/A |

ICAO

| | |
|------------------------------|--|
| Proper Shipping Name: | COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID |
| Technical Name: | N/A |
| Hazard Class: | Not D.O.T. Regulated |
| UN/NA#: | N/A |
| Packing Group: | N/A |

TDG

| | |
|------------------------------|--|
| Proper Shipping Name: | COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID |
| Technical Name: | N/A |
| Hazard Class: | Not D.O.T. Regulated |
| UN/NA#: | N/A |
| Packing Group: | N/A |



Section 15. Regulatory Information

Inventory Status

United States (TSCA): All ingredients listed.
 Canada (DSL/NDSL): All ingredients listed.

Federal Regulations

SARA Title III Rules

Sections 311/312 Hazard Classes

Fire Hazard: No
 Reactive Hazard: No
 Release of Pressure: No
 Acute Health Hazard: Yes
 Chronic Health Hazard: No

Other Sections

| Component | Section 313 Toxic Chemical | Section 302 EHS TPQ | CERCLA RQ |
|--|-------------------------------|------------------------|-----------|
| There are no hazardous ingredients in this product as defined in 29 CFR 1910.1200. | N/A | N/A | N/A |

Comments: None.

State Regulations

California Proposition 65: This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm: residual acrylamide.

Special Regulations

| Component | States |
|--|--------|
| There are no hazardous ingredients in this product as defined in 29 CFR 1910.1200. | None |



International Regulations

Canada

WHMIS Classification: N/A

Controlled Product Regulations (CPR): N/A

Section 16. Other Information

HMIS Hazard Rating

Health: 1
Flammability: 1
Physical Hazard: 0
PPE: X

Notes: The PPE rating depends on circumstances of use. See Section 8 for recommended PPE.
The Hazardous Material Information System (HMIS) is a voluntary, subjective alpha-numeric symbolic system for recommending hazard risk and personal protection equipment information. It is a subjective rating system based on the evaluator's understanding of the chemical associated risks. The end-user must determine if the code is appropriate for their use.

NSF: N/A

FDA: N/A

KOSHER: This product has not been evaluated for Kosher approval.

FIFRA: N/A

Other: None

Abbreviations

| Abbreviation | Definition |
|--------------|---|
| < | Less Than |
| > | Greater Than |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| EHS | Environmental Health and Safety Dept |
| N/A | Not Applicable |
| N/D | Not Determined |
| N/E | Not Established |
| OSHA | Occupational Health and Safety Dept |
| PEL | Personal Exposure Limit |
| STEL | Short Term Exposure Limit |



| | |
|-----|-----------------------|
| TLV | Threshold Limit Value |
| TWA | Time Weight Average |
| UNK | Unknown |

Prepared by: Regulatory Affairs Department

Disclaimer

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