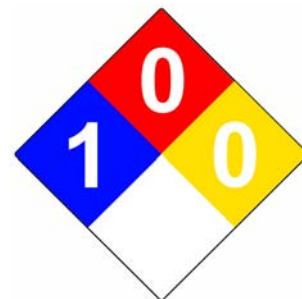


# MATERIAL SAFETY DATA SHEET



## CHEMSTRONG® SP

GET urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS. While the information and recommendations set forth herein are believed to be accurate, as of the date hereon, Great Eastern Technologies, L.L.C., makes no warranty with respect thereto and disclaims all liability from reliance thereon. The information contained herein represents our current data and best opinion as to the proper use and handling of this product under normal conditions. Any use of this product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any process is the responsibility of the user. The MSDS should not be construed as the sum total of all protective measures that may be taken. It is the responsibility of the employer to evaluate the information and to determine the extent of the hazard and what personal protective measures should be taken. The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.



### SECTION 01

### CHEMICAL PRODUCT AND COMPANY

#### Product Identification

**Product Trade Name** : Chemstrong® SP  
**Chemical Name** : Mixture - Not Applicable  
**CAS #** : Mixture - Not Applicable  
**Chemical Family** : Chemical Dispersing Agent  
**Product Synonyms** : None  
**Product Use** : Super Plasticizer, high range water reducer admixture for concrete  
**DOT Hazard Class** : Not Regulated

#### Company Identification

Great Eastern Technologies, L.L.C. (609) 581-1587 Factory Phone Number  
4407 S. Broad Street (609) 581-0735 Fax Number  
Yardville, New Jersey 08620

#### Emergency Number

Great Eastern Technologies, L.L.C. work hours are generally 8:00 a.m. to 5:00 p.m. Monday through Friday. The Emergency Number is the Factory Phone Number (609) 581-1587.

The Emergency Number for office hours and non-office hours is (800) 424-9300 (CHEMTREC)

**MSDS Number** : GSM FM-350-08 **Cancels MSDS Number** : GSM FM-350-07

**Publication Date** : January, 2008

### SECTION 02

### HAZARDOUS INGREDIENTS

(See Section 11 for Complete Chemical Names)

NA = Not Available

Ingredient	Ratio by Weight	OSHA-PEL		Exposure Limits in Air ACGIH-TLV				Other
		PEL	STEL	TLV	STEL	IDLH		
Calcium Salt of polynaphthalene sulfonic acid CAS Number 37293-74-6	25-35%	NA	2,0 ppm	NA	2,5 mg/m <sup>3</sup>	NA	NA	
Quinoline CAS Number 91-22-5	< 0.10%	NA	NA	NA	NA	NA	NA	
Formaldehyde CAS Number 50-00-0	< 0.03%	NA	NA	NA	NA	NA	NA	
Naphthalene CAS Number 91-20-3	< 0.01%	NA	NA	NA	NA	NA	NA	

## SECTION 03

## EMERGENCY HAZARDS IDENTIFICATION

**Emergency Overview** : Chemstrong® SP is a dark brown liquid with a slight aromatic odor. The main hazard to consider is minor irritation to the eyes through contact.

### Potential Health Effects

- Skin** : May cause slight irritation to skin. Non corrosive to skin, non-irritant to skin, non-permeator by skin.
- Eyes** : Eye contact can cause slight irritation.
- Inhalation** : Non-hazardous in case of inhalation.
- Ingestion** : Slightly hazardous in case of ingestion.
- Injection** : No information available.

**ACUTE** : The primary hazard associated with this product is the possible irritation to eyes through contact.

**CHRONIC** : No information available.

**TARGET ORGANS** : ACUTE: No information available. CHRONIC: No information available.

**CARCINOGENICITY** : Classified 4 (Probably not for humans) by IARC, None. By OSHA [Calcium salt of poly-naphthalene sulfonic acid]. (see Section 11 Toxicological Information for more details)

## SECTION 04

## FIRST AID MEASURES

Contaminated individuals must be taken for medical attention if any adverse reaction occurs. Rescuers should be taken for medical attention, if necessary. Take a copy of Product Label and MSDS to a health professional with the contaminated individual.

- Skin** : If this product contaminates the skin, begin decontamination with running water. Remove exposed or contaminated clothing, wash contaminated clothing before reuse. Victim must seek immediate medical attention if any adverse effect occurs.
- Eyes** : If this product liquid or vapors enter the eyes, check for and remove any contact lenses, open contaminated individual's eyes under gently running water. Use sufficient force to open eyelids. Have contaminated individual "roll" eyes. Minimum flushing is for 15 minutes. Contaminated individual must seek immediate attention.
- Inhalation** : If vapors, mist, or spray of this product are inhaled, remove contaminated individual to fresh air. If necessary, use artificial respiration to support vital functions. Remove or cover contamination to avoid exposure to rescuers.
- Ingestion** : If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. Do not induce vomiting unless otherwise advised by a physician. If professional advice is not available, do not induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsion, or unable to swallow.

**Medical Conditions Aggravated by Exposure** : Repeated or prolonged exposure is not known to aggravate medical condition.

**Notes to Physicians** : Not available

## SECTION 05

## FIRE FIGHT MEASURES

- Flash Point** : Not Flammable
- Flammable Limits** : Not Flammable
- Explosion Sensitivity to Mechanical Impact** : Not Sensitive
- Explosion Sensitivity to Static Discharge** : Not Sensitive
- Auto Ignition Temperature** : Not Available

**Extinguishing Media** : Use extinguishing media suitable for surrounding materials.

- |               |     |                  |                 |
|---------------|-----|------------------|-----------------|
| : Water Spray | Yes | : Carbon Dioxide | Yes             |
| : Halon       | Yes | : Dry Chemical   | Yes             |
| : Foam        | Yes | : Other          | Any "ABC: Class |

**Special Fire Fighting Procedures** : Incipient fire responders should wear eye protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment. Chemical resistant clothing may be necessary. Move containers from fire area if they have not been exposed to heat and if can be done without risk to personnel. If this product is involved in a fire, fire run-off water should be contained to prevent possible environmental damage. Rinse all contaminated equipment thoroughly with water before returning to service.

**Fire and Explosion Hazards** : This product is a moderate irritant and presents a potential contact hazard for firefighters. When involved in a fire, this material may decompose and produce sulfur oxides and carbon oxides.

## SECTION 06

## ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Dilute with water and mop, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority regulations. Clean up spills with a pump or vacuum truck. Avoid runoff into storm sewers and ditches which lead to waterways.

## SECTION 07

## HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Use normal personal hygiene and housekeeping. Store in room temperature dry area from other incompatible materials. Avoid breathing vapors or spray mist. Do not ingest. Keep container tightly closed.

## SECTION 08

## EXPOSURE CONTROLS, PERSONAL PROTECTION

- Respiratory Protection** : In case of mist generation, use NIOSH/MSHA approved respirators.
- Ventilation Requirements** : Ventilate as necessary to eliminate from the work area.
- Skin Protection** : Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from liquid.
- Eye Protection** : Safety glasses required in case of mist generation of in an environment that may cause contact.
- Work, Hygienic Practices** : As required to protect skin and eyes from liquid, safety showers and/or eye wash should be available. Do leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.
- Exposure Limits** : None Established.

## SECTION 09

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Specific Gravity</b>	: 1.195	<b>Odor</b>	: Slight Aromatic
<b>pH Level approximate</b>	: 7.3	<b>Appearance</b>	: Dark Brown
<b>Viscosity (cps)</b>	: Not Available	<b>Percent Volatile</b>	: Not Available
<b>Flash Point @ EF</b>	: Not Available	<b>Ignition Point @ EF</b>	: Not Available
<b>Freezing Point @ EF</b>	: 28.4F	<b>Boiling Point @ EF</b>	: 212F
<b>Explosion Hazard</b>	: Not Applicable	<b>Melting Point @ EF</b>	: Not Applicable
<b>Vapor Pressure</b>	: 2.3 kPa (@ 20EC)	<b>Vapor Density</b>	: 0.62 (air = 1)
<b>Evaporation Rate</b>	: Not Applicable	<b>Solubility in Water</b>	: Compete

## SECTION 10

## STABILITY AND REACTION

- Chemical Stability** : Stable under normal temperatures.
- Keep Away From** : Avoid contact with strong oxidizing agent
- Hazardous Polymerization** : Will not occur under normal conditions.
- Hazardous Decomposition Products** : Sulfur oxides and carbon oxides

## SECTION 11

## TOXICOLOGICAL INFORMATION

Ingredient

(Chemical Name, CAS #, Common Name)

Toxicity Data

(See Section 2 for Exposure Limits)

Calcium Salt of poly-

naphthalene sulfonic acid

CAS Number 13477-18.5

Acute Oral toxicity (Rat) : LD50: 4200 mg/kg

Suspected Cancer Agent : Classified 4 (Probably not for humans) by IARC, None. By OSHA [Calcium salt of poly-naphthalene sulfonic acid].

Irritancy of Product : Not Available

Sensitization of Product : Not Available

Reproductive Toxicity : This product is not reported to cause mutagenic, embryotoxic, teratogenic effects in humans. This product is not reported to cause reproductive toxicity effects in humans. (see definitions in Section 16 Other)

ACGIH Exposure Indices : Not Available

Notation of Definitions:

A mutagen is a chemical which causes permanent changes to genetic material (*DNA*) such that the changes will propagate through generational lines. An embryotoxin is a chemical change which causes damage to a developing "embryo" (i.e within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing "fetus", but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

## SECTION 12

## ECOLOGICAL INFORMATION

All work practices must be aimed at eliminating environmental contamination. Not readily biodegradable.

**Environmental Stability** : No Available Information

**Effects of Material on Plants or Animals** : No Available Information

**Effects of Chemical on Aquatic Life** : No Available Information

## SECTION 13

## DISPOSAL CONSIDERATIONS

Consult all Federal, State, Provincial and Local regulations, or a qualified waste disposal firm when characterizing waste for disposal. Dispose of waste in accordance with all applicable regulations.

U.S. EPA (40 CFR 261) : No Available Information

RCRA Waste # : No Available Information

## SECTION 14

## TRANSPORTATION INFORMATION

**Department of Transportation Shipping Name** : Not Regulated

**Hazard Class** : Not Applicable

**Identification #** : Not Applicable

**Label (s) Required** : Not Applicable

**Surface Freight Classification** : Concrete or Masonry Concrete Chemical Additive

## SECTION 15

## REGULATORY INFORMATION

**OSHA Status** : Not Available

**TSCA Status** : All ingredients are on the TSCA list.

**CERCLA Reportable Requirements** :

**SARA Title III Information**

: Title III Section 302/304/311/312 Extremely hazardous substances: Formaldehyde

: Title III Section 302/304 Emergency Planing - Below reporting threshold

: Title III Section 302/304/311/312 Hazardous Chemicals - Below reporting threshold

: Title III Section 313 Toxic Chemical Notification - Below reporting threshold

**State Regulations**

: Massachusetts RTK: Napthalene, Quinoline, Formaldehyde

: New Jersey RTK: Napthalene, Quinoline, Formaldehyde

: Pennsylvania RTK: Napthalene, Quinoline, Formaldehyde

: Minnesota RTK: Napthalene, Quinoline, Formaldehyde

: California prop. 65 WARNING: This product contains chemicals known to the State of California to cause cancer: Napthalene, Quinoline, Formaldehyde