

MATERIAL SAFETY DATA SHEET



SETCON 6A

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 : Setcon 6A
Chemical Name : Mixture - Not Applicable
CAS # : Mixture - Not Applicable
Chemical Family : Aqueous solution of neutralized resin and rosin acids
Product Synonyms : None
Product Use : Air entraining agent 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-400-08 **Cancels MSDS Number** : GSM FM-400-07
Publication Date : January, 2007

SECTION 02

HAZARDOUS INGREDIENTS

NA = Not Available

(See Section 11 for Complete Chemical Names)

Ingredient	Maximum by Weight	Exposure Limits in Air					
		OSHA-PEL		ACGIH-TLV		IDLH	Other
PEL	STEL	TLV	STEL				
Sodium Hydroxide CAS Number 1310-73-2	< 10.0%	NA	NA	NA	NA	NA	NA
Sodium Chloride CAS Number 7647-14-5	< 0.10%	NA	NA	NA	NA	NA	NA

SECTION 03

EMERGENCY HAZARDS IDENTIFICATION

Emergency Overview : Setcon 6A is a light-brown liquid with a soapy resinous odor. Its major health hazard may cause burns to the respiratory tract, skin, eyes and gastrointestinal tract and could cause permanent eye damage.

Potential Health Effects

Skin : Contact with the skin could cause irritation and redness. Possible burns or dermatitis with long term exposure.

Eyes : Contact with eyes could cause irritation (possibly severe), eye damage and blindness.

Inhalation : Inhalation could cause irritation, burns, pulmonary edema. No additional information on long term inhalation effects.

Ingestion : Could cause irritation, burns, nausea, and vomiting. No known long term exposure effects.

Injection : No available information.

ACUTE : No additional information.

CHRONIC : No additional information.

TARGET ORGANS : ACUTE: No additional information. CHRONIC: No additional information.

CARCINOGENICITY : The components of this product are not listed as carcinogens by the National Toxicology Program (NTP). They are not regulated as carcinogens by Occupational Safety and Health Administration (OSHA) and have not been evaluated by the International Agency for Research on Cancer (IARC). Although the components are in insignificant amounts, it is important to note that the State of California has recognized that components of this product may contain contaminants known to cause cancer or reproductive toxicity.(see Section 11 Toxicological Information for more details)

Additional Notes : This product contains rosin or a rosin derivative. Rosin and some of its derivatives have been reported to cause an allergic skin reaction (*sensitization*) in susceptible individuals under certain non-industrial exposure conditions of repeated and prolonged skin contact. Individuals sensitized to rosin derivatives may also react to this product after skin contact. Great Eastern Technologies LLC (*GET*) is not aware of any allergic skin reactions caused by industrial exposure to this product or similar materials. A through search by GET medical records has disclosed no case of skin sensitization to rosin or its derivatives from industrial exposure by our workers, and none have been reported by our customers.

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. Discard contaminated leather goods. Victim must seek immediate medical attention if any adverse effect occurs.

Eyes : If this product liquid or vapors enter the eyes, 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. If breathing is difficult, oxygen should be administered by qualified personnel. If respiration or pulse has stopped call for emergency services. 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. Give large amounts of water. Do not induce vomiting or give diluents (water) to someone who is unconscious, having convulsion, or unable to swallow. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Get medical attention immediately.

Medical Conditions Aggravated by Exposure : No other information available. (See Section 3, Hazard Identification)

Notes to Physicians : The absence of visible signs or symptoms of burns does not reliably exclude the presence of actual tissue damage.

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 agents appropriate for surrounding fire.

: 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: No additional information.

SECTION 06

ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Liquid material may be removed with a vacuum truck. Flush spill area with water, if appropriate. Keep out of water supplies and sewers. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 07

HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Use normal personal hygiene and housekeeping. Store in room temperature dry area from other incompatible materials. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated.

SECTION 08

EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection : Respirator not required.

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.

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

Specific Gravity : 1.030

pH Level approximate : 12.0

Viscosity (cps) : Not Available

Flash Point @ EF : Undetermined

Freezing Point @ EF : 32E F

Explosion Hazard : Not Applicable

Vapor Pressure (MM Hg) : Not Applicable

Evaporation Rate : Undetermined

Odor : Light brown

Appearance : Soapy, Resinous

Percent Volatile : Not Available

Ignition Point @ EF : > 600EF

Boiling Point @ EF : Not Applicable

Melting Point @ EF : Not Applicable

Vapor Density : Not Applicable

Solubility in Water : Compete

SECTION 10

STABILITY AND REACTION

Chemical Stability : Stable under normal temperatures.

Keep Away From : acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.

Hazardous Polymerization : Will not occur under normal conditions.

Hazardous Decomposition Products : Carbon Monoxide, Carbon Dioxide

SECTION 11

TOXICOLOGICAL INFORMATION

Ingredient

(See Section 2 for Exposure Limits)

(Chemical Name, CAS #, Common Name) Toxicity Data

Sodium Hydroxide CAS Number 1310-73-2

Standard Draize Test (Skin-Rabbit, adult) 1350 mg/kg LD50 (Oral-Rat) 220 mg/kg

Standard Draize Test (Eye-Rabbit, adult) No known test data LD50 (Oral-Rat) No known test data

Suspected Cancer Agent : As reported by OSHA, NTO and IARC, these components are not listed as carcinogens.

Irritancy of Product : The sensitivity of damage is a function of its concentration, the length of tissue contact time, and local conditions. After exposure there may be a time delay before irritation and other effects occur.

Sensitization of Product : Long term irritation on skin, eyes and respiratory sensitizers.

Reproductive Toxicity : No available data as it relates to causing mutagenic, embryotoxic, teratogenic effects in humans. (see definitions in Section 16 Other)

ACGIH Exposure Indices : No available data.

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.

Environmental Stability

The components of this product are relatively stable under ambient, environmental conditions.

Effects of Material on Plants or Animals

This product may be harmful to terrestrial plant or animal life, especially if released in large quantities.

Effects of Chemical on Aquatic Life

This product may be harmful to aquatic plant or animal life, especially of release in large quantities.

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) : Information not available

RCRA Waste # : Information not available

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 : Information not available

TSCA Status : All components are included in the TSCA inventory

CERCLA Reportable Requirements : Hazardous Substances Sodium Hydroxide 1,000 lb RQ

SARA Title III Information : Title III Section 313 (40 CFR 372.65) Not Regulated

: Title III section 302 extremely hazardous Not Regulated

State Regulations : California Proposition 65: Components of this product may contain contaminants known

: New Jersey RTK Sodium Hydroxide, Sodium Chloride

: Pennsylvania RTK Sodium Hydroxide