

CASEWAY INDUSTRIAL PRODUCTS, INC.  
1050 GREEN PINE CIRCLE  
ORANGE PARK, FL 32065  
TEL: (904)214-9056 FAX: (904)375-2439

EMERGENCY TELEPHONE NUMBER  
CHEM-TEL: 1-800-255-3925

**MATERIAL SAFETY DATA SHEET**

**SC 1508 STYRENE CEMENT**

MSDS DATE: 07/12/04

SUPERSEDES: 02/01

**SHIPPING INFORMATION:**

PROPER SHIPPING NAME: ADHESIVE

HAZARD CLASS OR DIVISION: 3      PACKING GROUP: II      IDENTIFICATION NUMBER: UN1133

SHIPPING LABEL: FLAMMABLE LIQUID      \*\*SEE D.O.T. 173-(LTD. QTY)

**COMPONENTS INFORMATION:**

A. TOLUENE	CAS.# 108-88-3	MAJOR
ACGIH SKIN TWA 50 PPM 8HR. OSHA TWA 200 PPM 8 HR. CEIL 300 PEAK 500 PPM		
HMIS RATING: HEALTH 2 FLAMMABILITY 3 REACTIVITY 0		
NFPA RATING: HEALTH 2 FLAMMABILITY 3 REACTIVITY 0		
B. POLYSTYRENE THERMOPLASTIC POLYMER	CAS.# 09003-53-6	MINOR
ADDITIVES NOT REGULATED BY OSHA		

**PHYSICAL DATA:**

APPEARANCE: CLEAR COLORLESS LIQUID	ODOR: AROMATIC, CHARACTERISTIC SOLVENT
SOLUBILITY IN WATER: VERY SLIGHTLY SOLUBLE IN COLD WATER. (0.1% W/W)	
BOILING POINT: AP 111°C/AP 231°F	MELTING/FREEZING POINT: AP -95°C/AP-139°F
SPECIFIC GRAVITY: 0.872 (WATER=1)	VOLATILITY: 872 g/l VOC (W/v)
VAPOR PRESSURE: 3.2kPa (24mmHg) @ 20°C	VAPOR DENSITY (AIR=1): 3

**FIRE AND EXPLOSION DATA:**

FLASH POINT: 4°C/40°F (CLOSED CUP)	AUTOIGNITION TEMPERATURE: 5.36°C/99°F
LOWER EXPLOSIVE LIMITS: 1.0	UPPER EXPLOSIVE LIMITS: 7.0
<b>EXTINGUISHING MEDIA:</b> SMALL FIRES: DRY CHEMICALS, CARBON DIOXIDE, FOAM, WATER FOG, INERT GAS (NITROGEN) LARGE FIRES: FOAM, WATER FOG, OR WATER SPRAY	
<b>SPECIAL PROCEDURES:</b> PROPER RESPIRATORY EQUIPMENT TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS IS RECOMMENDED. WATER IN A STRAIGHT HOSE STREAM MAY CAUSE FIRE TO SPREAD AND SHOULD BE USED AS A COOLING MEDIUM ONLY.	

**REACTIVITY:**

<b>STABILITY:</b> STABLE
<b>CONDITIONS TO AVOID:</b> EXPOSURE TO EXCESSIVE HEAT, OPEN FLAMES, AND SPARKS. AVOID CONDITIONS THAT FAVOR THE FORMATION OF EXCESSIVE MISTS AND/OR FUMES.
<b>INCOMPATIBILITY:</b> STRONG OXIDIZING AGENTS, ALKALIES, STRONG ACIDS, HYDROGEN PEROXIDE, AND OXYGEN
<b>DECOMPOSITION:</b> THERMAL DECOMPOSITION MAY YIELD CARBON MONOXIDE.
<b>POLYMERIZATION:</b> WILL NOT OCCUR.

**SPILL AND LEAK HANDLING DATA:**

<b>PROCEDURES:</b> EXTINGUISH POSSIBLE SOURCE OF IGNITION. EVACUATE ALL UNPROTECTED PERSONNEL AND VENTILATE AREA. ONLY PERSONNEL EQUIPPED WITH PROPER RESPIRATORY; SKIN/EYE PROTECTION SHOULD ENTER SPILL AREA. DIKE AREA TO CONTAIN SPILL AND CLEAN UP BY ABSORBING ON AN INERT ABSORBENT OR OTHER MEANS. DON'T FLUSH INTO SEWERS OR NATURAL WATERWAYS.
<b>WASTE DISPOSAL:</b> CONDITIONS OF USE MAY CAUSE THIS MATERIAL TO BECOME A HAZARDOUS WASTE AS DEFINED BY FEDERAL, STATE, OR LOCAL REGULATIONS. USE APPROVED TREATMENT -- TRANSPORTERS -- DISPOSAL SITE.

**SPECIAL PROTECTION DATA:**

<b>RESPIRATORY PROTECTION:</b> USE NIOSH/MSHA APPROVED RESPIRATORS WHEN VAPORS OR MIST CONCENTRATIONS EXCEED PERMISSIBLE EXPOSURE LIMITS.
<b>EYE PROTECTION:</b> CHEMICAL SAFETY GOGGLES WITH SPLASH SHIELDS.
<b>HAND PROTECTION:</b> NEOPRENE RUBBER OR OTHER CHEMICAL RESISTANT MATERIAL
<b>OTHER PROTECTION:</b> APRON -- CHEMICAL RESISTANT BOOTS -- AS NECESSARY TO PREVENT CONTAMINATION OF CLOTHING AND SKIN CONTACT.
EYEWASH AND SHOWER.

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**HEALTH HAZARD DATA:**

PRIMARY ROUTES OF EXPOSURE: ABSORPTION -- INHALATION -- INGESTION

EFFECTS OF OVEREXPOSURE:

INHALATION: DIZZINESS -- IMPAIRED COORDINATION -- HEADACHES -- LOSS OF CONSCIOUSNESS -- SEVERE RESPIRATORY TRACT IRRITATION -- TOXIC SYSTEMIC EFFECTS ARE POSSIBLE.

FIRST AID: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT GIVE OXYGEN. CALL A PHYSICIAN.

EYE CONTACT: MAY CAUSE MODERATE BURNING -- TEARING -- REDNESS -- SWELLING.

FIRST AID: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

SKIN CONTACT: MODERATE IRRITATION AND DISCOMFORT. DEFATTING OF SKIN AND REDNESS ARE POSSIBLE. TOXIC SYSTEMIC EFFECTS FROM ABSORPTION ARE EXPECTED TO BE MINOR.

FIRST AID: WASH EXPOSED AREA WITH MILD SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

INGESTION: GASTROINTESTINAL TRACT IRRITATION AND/OR DISCOMFORT IS POSSIBLE.

FIRST AID: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

OTHER: THIS MATERIAL IS A POTENTIAL ASPIRATION HAZARD.

FIRST AID: EXPOSURE TO HIGH CONCENTRATIONS OF THIS MATERIAL MAY BE ASSOCIATED WITH CARDIAC ARRHYTHMIAS

NOTES TO PHYSICIAN: INHALATION: INHALATION OVEREXPOSURE CAN PRODUCE TOXIC EFFECTS. MONITOR FOR RESPIRATORY DISTRESS. IF COUGH OR DIFFICULTY IN BREATHING DEVELOPS, EVALUATE FOR UPPER RESPIRATORY TRACT INFLAMMATION, BRONCHITIS, AND PNEUMONITIS. ADMINISTER SUPPLEMENT OXYGEN WITH ASSISTED VENTILATION, AS REQUIRED. THIS MATER (OR A COMPONENT) SENSITIZES THE HEART TO THE EFFECTS OF SYMPATHOMINETIC AMINES. EPINEPHRINE AND OTHER SYMPATHOMINETIC DRUGS MAY INITATE CARDIAC ARRHYTHMIAS IN INDIVIDUALS EXPOSED TO THIS MATERIAL. ADMINISTION OF SYMPATHOMIMETIC DRUGS SHOULD BE AVOIDED.

**STORAGE:**

STORE AND TRANSPORT IN ACCORDANCE WITH ALL APPLICABLE LAWS. KEEP CONTAINERS TIGHTLY CLOSED AND STORE IN A COOL, DRY, WELL-VENTILATED PLACE, PLAINLY LABELED AND OUT OF CLOSED VEHICLES. KEEP AWAY FROM ALL IGNITION SOURCES. GROUND ALL EQUIPMENT CONTAINING THIS MATERIAL. CONTAINERS SHOULD BE ABLE TO WITHSTAND PRESSURES EXPECTED FROM WARMING AND COOLING IN STORAGE. THIS FLAMMABLE LIQUID SHOULD BE STORED IN A SEPARATE SAFETY CABINET OR ROOM. A REFRIGERATED ROOM IS PREFERRABLE FOR MATERIALS WITH A FLASH POINT TEMPERATURE LOWER THAN 70°F/21°C. ALL ELECTRICAL EQUIPMENT IN AREAS WHERE THIS MATERIAL IS STORED OR HANDLES SHOULD BE INSTALLED IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND THE NATIONAL ELECTRICAL CODE.

**REGULATORY INFORMATION:**

TOLUENE: IS LISTED IN CALIFORNIA PROPOSITION 65 AND NEW JERSEY RIGHT-TO-KNOW LABEL

**ABBREVIATIONS:**

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

HMIS: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

PPM: PARTS PER MILLION. GENERALLY USED TO EXPRESS SMALL CONCENTRATIONS OF ONE SUBSTANCE IN A MIXTURE

STEL: SHORT-TERM EXPOSURE LIMIT

TWA: TIME WEIGHTED AVERAGE

**STATEMENT:**

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