



RoadBond EN 1™ - MSDS

DATE: January 1, 2013

MATERIAL SAFETY DATA SHEET

TRADE NAME: ROADBOND EN 1™

SECTION I

MANUFACTURER'S NAME C.S.S. Technology, Inc.
ADDRESS P.O. Box 549
Tolar, TX 76476

EMERGENCY TELEPHONE CHEMTREC 1-800-424-9300 (Contract CCN3572)

TRADE NAME AND SYNONYMS ROADBOND EN 1™

CHEMICAL PRODUCT TYPE Soil Stabilizer

FORMULA Proprietary

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME CAS NO UN # WT % TLV Hazard(s)
(COMMON NAME OR SYNONYMS)

Sulfuric Acid 7664-93-9 1830 >1 1mg/m³ Corrosive
(Oil of Vitriol; Dipping Acid)

* All ingredients are listed on the TSCA inventory list.

SECTION III - PHYSICAL DATA

Form Liquid Storage 2 Years

Odor Sharp, Sulfurous Cold Stability Excellent

Color Dark Amber Flash Point None

Toxicity See Cautions Boiling Point 182 degrees C

Wetting Ability Excellent Vapor Pressure (mmhg) 0.001



Detergency None Solubility in Water Complete

Foaming None Specific Gravity (h20=1) 1.70

Emulsification None pH 1.0

Phosphates None Weight per gallon 14.19 lb.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (0 F) None

FLAMMABLE LIMITS Normally nonflammable

EXTINGUISHING MEDIA Water Fog, Chemical Foam, CO2,

SPECIAL FIREFIGHTING PROCEDURES Wear protective boots, suits, gloves, face shield, hard-hat and a NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS May evolve Sulfur Dioxide vapors on boiling.

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Not Available

EFFECTS OF OVEREXPOSURE

EYES: Contact may cause stinging or burning, intense watering, conjunctivitis (inflammation of the eyes), ulceration of eyes, opaqueness of the cornea, loss of sight.

SKIN: Contact may cause burning, inflammation, painful blisters, profound irreparable damage to tissues, shock.

INHALATION: May cause irritation of nose, eyes, and throat, coughing, dizziness, nausea, difficulty in breathing, chemical bronchitis, asphyxia, coma and death.

INGESTION: May cause irritation and burning sensation of lips, mouth and throat, pain in swallowing, gastrointestinal irritation, abundant salivation, stomach cramps, nausea and vomiting, difficulty in breathing, risk of perforation of stomach, state of shock, unconsciousness, coma, death.

EMERGENCY FIRST AID PROCEDURES

EYES: Immediately flush eyes with running water for at least fifteen minutes. If pain and/or irritation persists, get medical attention.

SKIN: Remove contaminated clothing immediately and flush affected area with water for at least fifteen minutes. If pain or irritation persists, get medical attention. Launder clothing before reusing.

INHALATION: Move victim to fresh air, lay him down with legs raised, loosen collar and belt, and cover with a blanket. If breathing is difficult, give oxygen administered by a trained respiration and then administer oxygen. Get medical attention.

INGESTION: If swallowed - **DO NOT INDUCE VOMITING.** Give cold water or ice to rinse mouth with. Give milk of magnesia, milk, or egg whites. If vomiting does occur, give fluids again. Keep victim warm and quiet. Get immediate medical attention. Do not give anything by mouth to an unconscious person.

SECTION VI - REACTIVITY DATA

STABILITY: Normally stable

CONDITIONS TO AVOID: High Temperatures



INCOMPATABILITY: Avoid contact with strong alkalis or other reactive materials. May corrode such metals as steel, iron, tin, brass. May react violently with such metals as aluminum and magnesium.

HAZARDOUS DECOMPOSITION PRODUCTS: May evolve Sulfur Dioxide gas on boiling.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Stop leaks and contain spill. Only trained personnel with proper protective equipment should be permitted in area. Reclaim if possible. Or, dilute spill with large amounts of water then neutralize with soda ash or lime. Dispose in accordance with state and federal regulations. After all visible traces have been removed, flush area with large amounts of water.

SECTION VIII - SPECIAL PROTECTION INFORMATION

EXTREME CAUTION SHOULD BE TAKEN WHEN HANDLING "EN 1" IN ITS CONCENTRATED FORM. Do not allow concentrated "EN 1" contact skin, clothing or equipment. Chemical burns and property damage can occur upon contact with concentrated "EN 1." Safety equipment should be available and worn anytime concentrated "EN 1" is handled. The recommended safety equipment needed for the safe handling of "EN 1" is: rubber gloves, splash apron, eye goggles or face shield, water faucet with garden hose or five gallon bucket of plain water as a stand by rinse. Always open containers in a well ventilated area. Be prepared to rinse with plain water any concentrated "EN 1" that has spilled or splashed onto an exposed area.

SECTION IX—SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with strong alkalis or reactive metals. Store in tightly sealed containers in a cool, dry place.