

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY INFORMATION

### Product Identification

- Trade Name: **LC-500**
- Product Use: Normal Range Retarding and Water Reducing Concrete Admixture
- Restriction on Use: Intended for industrial and professional users
- CAS#: Mixture

### Company Information

- RussTech, Inc.  
11208 Decimal Drive  
Louisville, KY 40299  
502-267-7700
- Prepared by Department of Environmental, Health and Safety

### Emergency number – (served 24 hours)

- CHEMTREC 800-424-9300

## 2. HAZARDS IDENTIFICATION

Classification of substance or mixture: Not classified as hazardous per 2012 OSHA Hazard Classification Standard 29 CFR Part 1910.1200

Label elements: This material does not require a hazard warning label in accordance with GHS criteria

Pictogram: Not applicable

Signal Word: Not applicable

Hazard statement(s): Not applicable

Precautionary statement(s): Not applicable

Hazards not otherwise classified: Not applicable

General: As a part of good industrial hygiene and safety practices, use skin and eye protection while using this product.

## 3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

This product does not contain any components classified as hazardous under 29 CFR 1910.1200

## 4. FIRST AID MEASURES

Inhalation: Move person away from exposure. If having difficulty breathing, administer oxygen. If breathing has stopped, administer artificial respiration, and seek medical attention.

Eyes: Flush eyes with water lifting upper and lower lids occasionally for 15 minutes. If irritation persists, seek medical attention.

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Skin: Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, seek medical attention.

Ingestion: Contact physician or Poison Control Center (PCC) if you feel unwell. Do NOT induce vomiting unless instructed to do by physician or PCC.

#### **5. FIREFIGHTING MEASURES**

Suitable extinguishing media: Use extinguishing media suitable for surrounding fire

Unsuitable extinguishing media: None are known

Specific hazards in case of fire: None are known

Special protective equipment required for firefighting: None are known

Additional information for firefighters: None

#### **6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment, and emergency procedures:

- Wear appropriate PPE as needed
- Keep unprotected persons away

Environmental precautions:

- Prevent material from entering drains, septic systems, water sources, etc. using dikes, absorbent materials, and booms.

Material containment and clean up:

- Contain material with dikes. Vacuum up spilled material or use absorbent media. Remove spilled material to storage for proper disposal. Dispose of in accordance with local, state, and federal regulations. Rinse residual stain with water.

#### **7. HANDLING AND STORAGE**

Precautions for safe handling: No special handling required if material is used correctly. Avoid aerosol formation and wear proper PPE.

Information about protection against explosions and fires: No special measures required if material is stored and used correctly

Information about safe storage: Protect material from temperatures under 32°F (0°C)

Shelf Life: 18 months

#### **8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS**

Additional information about exposure controls: No further data; see section 7

Components with limit values that require monitoring at the workplace: None

PPE (personal protective equipment) and hygienic measures:

- Wear ANSI approved safety glasses or goggles to protect eyes
- Wear latex or rubber gloves to protect skin
- Wash hands thoroughly before breaks and at end of workday

#### **9. PHYSICAL AND CHEMICAL PROPERTIES**

General Information:

- Physical state: Liquid
- Color: Dark Brown
- Odor: Musty
- Odor Threshold: Not available

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#### Physical properties:

- pH value (@70°F): 7.00 – 11.00
- Specific gravity (@70°F): 1.130 – 1.160
- Bulk density: Not available
- Boiling point: 212°F / 100°C
- Freezing point/Melting point: 32°F / 0°C
- Decomposition temperature: Not available
- Vapor pressure: Not available
- Vapor density: Not available
- Evaporation rate: Not available
- Solubility in / Miscibility with water: 100%
- Partition Coefficient (n-octanol/water): Not available
- Auto ignition: Material is not self-igniting
- Flash point: Material is non-flammable
- Lower / Upper Flammability Limits: Not applicable
- Viscosity: Not available
- Danger of explosion: material does not present an explosion hazard

#### **10. STABILITY AND REACTIVITY**

Material stability: Material is stable and not sensitive to mechanical impact

Possibility of hazardous reactions: None known

Incompatible materials to avoid: None known

Hazardous decomposition products: None expected during normal storage, handling, and use

#### **11. TOXICOLOGICAL INFORMATION**

Routes for exposure for solids and liquids are ingestion and inhalation but may include eye and skin contact.

Acute toxicity: This product has not been tested for toxicity. Based on data derived from individual components the classification criteria are not met. No adverse health effects are expected with intended use and appropriate handling.

- Dermal: non-toxic after a single skin contact
- Inhalation: non-toxic by inhalation
- Ingestion: non-toxic after a single ingestion
- Irritation/corrosion: not expected with intended use and appropriate handling.

Chronic toxicity: This product has not been tested for toxicity. Based on the properties of the individual components, no adverse health effects are expected with intended use and appropriate handling.

- Repeated dose: based on available data, the classification criteria are not met
- Genetic: based on available data, the classification criteria are not met
- Carcinogenicity: based on available data, the classification criteria are not met
- Reproductive: based on available data, the classification criteria are not met
- Teratogenicity: based on available data, the classification criteria are not met

Symptoms of Exposure: The most important known symptoms and effects are described in the labeling (see section 2).

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#### 12. ECOLOGICAL INFORMATION

Based on available data, potential for environmental toxicity is low; however, discharge to the environment should be avoided.

Ecotoxicity: product is unlikely harmful to aquatic life

Persistence and degradability: product expected to degrade in one month or less

Bioaccumulative potential: there is no evidence to suggest bioaccumulation will occur

Mobility in soil: accidental spillage may lead to penetration in the soil and groundwater, however; there is no evidence that this would cause adverse ecological effects

#### 13. DISPOSAL CONSIDERATIONS

In its manufactured form this material or its residues are not considered a hazardous waste. Dispose of in accordance with local, state, and federal regulations. Surplus or contaminated product should be disposed of by a licensed disposal facility. Do not discharge product or residues into sewers, drains, surface waters or ground waters. Packaging should be emptied as much as possible and thoroughly cleaned before being reused or recycled.

#### 14. TRANSPORT INFORMATION

Material is not regulated for transport

#### 15. REGULATORY INFORMATION

- Sara 302 (extremely hazardous materials): not applicable
- Sara 311/312: Not applicable
- Sara 313: Not applicable
- TSCA: All components are listed or exempt
- California Prop. 65: This product does not contain any chemicals known to the state of California to cause cancer, birth, or any other reproductive defects.

#### 16. OTHER INFORMATION

This information is based on our current knowledge and is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of RussTech's knowledge or is obtained from sources believed by RussTech to be accurate. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. RussTech assumes no responsibility for injuries proximately caused by use of the Material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally, RussTech assumes no responsibility for injuries caused by abnormal use of the Material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the Material.