

# MATERIAL SAFETY DATA SHEET

CMR EMBRACE PLUS

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Issue Date: 10/99

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

CMR EMBRACE PLUS

Common Name: Adjuvant.

Chemical Description: Liquid mixture of ammonium sulfate and drift retardant.

TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

### Manufactured By

Creative Marketing & Research

P. O. Box 35000

Fresno, CA 93745-5000

### Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 264-5144 EVES.: (559) 431-7390

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

## SECTION 2. HAZARDOUS INGREDIENTS

| CHEMICAL         | CAS NO.   | %    | TLV OR PEL | RQ (lbs) |
|------------------|-----------|------|------------|----------|
| Ammonium sulfate | 7783-20-2 | 34.0 | *N.A.      | *N.P.    |

\* N.A. - Not Available.

\* N.P. - Not Pertinent.

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Reddish liquid with slight petroleum odor. Avoid heat. Contact with strong oxidizers may cause fire or explosion. Not D.O.T. regulated.

HEALTH: 2 REACTIVITY: 0 FLAMMABILITY: 1 ENVIRONMENT: 1  
(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

## SECTION 4. FIRST AID

Eyes: Immediately flush eyes with plenty of water and get medical attention.

Skin: Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. If irritation persists, seek medical attention.

Ingestion: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water. If so advised by a physician or Poison Control Center, induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

Inhalation: Remove victim to fresh air.

**SECTION 5. FIRE AND EXPLOSION HAZARDS**

|   |  |
|---|--|
| Flash Point:  | > 200°F.   |
| Test Method:  | Not available.   |
| LEL Flammable Limits:                                     | Not available.   |
| UEL Flammable Limits:                                     | Not available.   |
| Autoignition Temperature:                                 | Not available.   |
| Flammability Classification:                              | None.  |
| Known Hazardous Products of Combustion:                   | None.  |
| Properties that Initiate/Contribute to Intensity of Fire: | None.  |
| Potential For Dust Explosion:                             | None.  |
| Reactions that Release Flammable Gases or Vapors:         | Not known.   |
| Potential For Release of Flammable Vapors:                | None.  |
| Unusual Fire & Explosion Hazards:                         | Contact with strong oxidizers may cause fire or explosion.   |
| Extinguishing Media:                                      | Foam, CO <sub>2</sub> , dry chemical, water.   |
| Special Firefighting Procedures:                          | Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff. |

**SECTION 6. SPILLS AND LEAKS**

Containment: Prevent product spillage from entering drinking water supplies or streams.

Clean Up: Collect liquid or absorb onto absorbent material and package for disposal.

Evacuation: Not necessary.

**SECTION 7. STORAGE AND HANDLING**

|                          |   |
|--------------------------|---|
| Storage:                 | Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Do not store near food or feeds. Do not stack pallets more than two (2) high.   |
| Transfer Equipment:      | Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.   |
| Work/Hygienic Practices: | Harmful if swallowed. May cause irritation of eyes, nose, throat and skin. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Remove contaminated clothing and wash thoroughly before reuse. Do not contaminate feed and foodstuffs. |

**SECTION 8. PERSONAL PROTECTIVE EQUIPMENT**

|              |  |
|--------------|--|
| Eyes:        | Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.        |
| Skin:        | Impervious gloves and clothes.   |
| Respiratory: | Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710). |
| Ventilation: | Recommended but no TLV established.  |

**SECTION 9. PHYSICAL AND CHEMICAL DATA**

|                                      |                        |
|--------------------------------------|------------------------|
| Appearance:                          | Reddish liquid.        |
| Odor:                                | Slight petroleum odor. |
| pH:                                  | 6.5 - 6.8              |
| Vapor Pressure:                      | Not available.         |
| Vapor Density (Air = 1):             | Not available.         |
| Boiling Point:                       | Not available.         |
| Freezing Point:                      | Not available.         |
| Water Solubility:                    | Miscible.              |
| Density:                             | 10.1 lbs./gal.         |
| Evaporation Rate:                    | Not available.         |
| Viscosity:                           | Not available.         |
| % Volatile:                          | Not available.         |
| Octanol/Water Partition Coefficient: | Not available.         |
| Saturated Vapor Concentration:       | Not available.         |

**SECTION 10. STABILITY AND REACTIVITY**

|                                   |   |
|-----------------------------------|---|
| Stability:                        | Stable.   |
| Conditions To Avoid:              | Heat.   |
| Incompatibility:                  | Strong oxidizing agents, liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite. |
| Hazardous Decomposition Products: | Ammonia and oxides of sulfur.   |
| Hazardous Polymerization:         | Will not occur.   |

**SECTION 11. POTENTIAL HEALTH EFFECTS**Acute Effects:

|                            |  |
|----------------------------|--|
| Eyes:                      | Mild irritant. May cause redness and burning.  |
| Skin:                      | Mild irritant, especially from prolonged exposure. May cause redness, drying and cracking. |
| Ingestion:                 | Moderate irritant. May cause stomach cramps and/or nausea.                                 |
| Inhalation:                | Vapors may irritate respiratory system.  |
| <u>Subchronic Effects:</u> | None known.  |
| <u>Chronic Effects:</u>    | None known.  |

**SECTION 12. ECOLOGICAL INFORMATION**

|                                     |            |
|-------------------------------------|------------|
| Algal/Lemna Growth Inhibition:      | Not known. |
| Toxicity to Fish and Invertebrates: | Not known. |
| Toxicity to Plants:                 | Not known. |
| Toxicity in Birds:                  | Not known. |

**SECTION 13. DISPOSAL**

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

|                            |
|----------------------------|
| SECTION 14. TRANSPORTATION |
|----------------------------|

|                                     |  |
|-------------------------------------|--|
| D.O.T. Proper Shipping Description: | Not D.O.T. Regulated.  |
| Other Shipping Information:         | Adhesives, Adjuvants, Spreaders Or Stickers, Liquid.<br>NMFC Item 4612, LTL Class 60 |

|                                    |
|------------------------------------|
| SECTION 15. REGULATORY INFORMATION |
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CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: Ammonium sulfate (34.0%)

PROPOSITION 65 (CA): None.

|                   |
|-------------------|
| SECTION 16. OTHER |
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All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.