# SAFETY DATA SHEET

## Section 1: Company and Product Identification

**Product Name:** CUSTOM COVERAGE RED

**Product Code:** AC-CCRIBC

**Manufactured For:**
Agrilead, Inc.
441 E. Lucas Street
Russell, KS 67665
PH: 785-483-5000

**Emergency Response:** INFOTRAC 800-535-5053

**General Product Description:**

CUSTOM COVERAGE RED is a seed treatment additive designed to enhance coverage, retention, and red color intensity of applied treatments.

## Section 2: Hazards Identification

**Hazard Pictograms:**

**Signal Word:** Warning

**Hazard Category:** Carcinogenicity Cat 2

**Hazard Statements:** Suspected of causing cancer

**Precautionary Statements:**
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
IF exposed or concerned: Get medical advice/attention
Store locked up
Dispose of contents/container in accordance with local/regional/national/international

**Hazards not otherwise classified:** Not applicable, none known.

## Section 3: Composition / Information on Ingredients

| Hazardous substance (name) | CAS# | Hazard Category | % |
|---|---|---|---|
| vinyl acetate | 108-05-4 | Flam Liq 2, Acute Tox 4 (inh), STOT SE 3 (resp irrit), Carc 2 | <1 |

## Section 4: First Aid Measures

**General Info:** In general, product does not have any acute hazard characteristics. Treat exposures symptomatically as needed.

**Notable Exposure symptoms:** No notable exposure symptoms.

**FIRST AID If ingested:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**FIRST AID: If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**FIRST AID Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**FIRST AID: Skin contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

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| **Note to Physician:** | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |

## Section 5: Fire Fighting Measures

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| **General Info:** | Product is not expected to pose a fire / combusion hazard. If involved in fire, direct water spray may spread fire. Isolate any uncompromised product from area if possible. Do not breath fumes. If involved in fire or if heated, a pressure increase in closed packaged containers and may burst. |
| **Extinguishing Method / Equipment:** | Carbon dioxide (CO2), dry chemical, foam. Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. |
| **Hazardous Decomposition Info:** | Constituents associated with burning should be considered as toxic. |
| **Special protective actions for fire-fighters:** | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| **Special protective equipment for fire-fighters:** | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

## Section 6: Accidental Release Measures

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| **Personal precautions, protective equipment and procedures:** | Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing vapors. Ventilate area if easy to do so. For personal protection, see section 8 of the SDS.<br>**Small Spills:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| **Containment Equipment and Cleanup Procedures:** | **Large Spills:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

## Section 7: Handling and Storage

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| **Safe Handling Precautions:** | Ensure adequate ventilation. Avoid breathing vapors/mists. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Put on appropriate personal protective equipment (see Section 8). |
| **Recommendations for Storage:** | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |
| **Incompatibilities:** | Store away from strong acids or oxidizing agents. Refer to Section 10. |

## Section 8: Exposure Control / Personal Protection

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|---|---|
| **General / Engineering Controls:** | Local exhaust ventilation should be utilized to control vapors / substances below exposure limits. |
| **Environmental exposure controls:** | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
| **Work Clothing:** | Protective work clothing which covers skin and prevents exposures. |
| **Eye/face protection:** | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields. |

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| **Skin Protection:** | Wear chemical resistant gloves. Butyl gloves recommended for vinyl acetate exposure prevention. Footwear: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| **Respiratory Protection:** | Utilize organic vapor respirator if airborne levels are not maintained below exposure limits, or if ventilation is inadequate. |
| **Additional Information:** | Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or exposed skin after using the product. |

| Substances with Exposure Limits | CAS# | ACGIH-TLV | ACGIH-STEL | OSHA-PEL | NIOSH-REL |
|---|---|---|---|---|---|
| vinyl acetate | 108-05-4 | 10 ppm (35 mg/m3) | 15 ppm (53 mg/m3) | Not established | 4 ppm (15 mg/m3) |

## Section 9: Physical and Chemical Properties

| | | | | | |
|---|---|---|---|---|---|
| **State:** | Liquid | **Melting Point:** | Not avail | **Freezing Point:** | 0C (32F) |
| **Color:** | Red | **Boiling Point/Range:** | 100C (212F) | **pH** | Not Tested |
| **Weight per Gallon:** | 9.54 lbs | **Odor:** | Sweet | **Water Solubility:** | Soluble |
| **Evaporation rate:** | < 1 | **Flash Point:** | >200F | **Part. Coeff (n-octanol/water)** | Not avail |
| **Upper Flam Limits:** | Not avail | **Lower Flam Limits:** | Not avail | **Vapor Pressure:** | - |
| **VOC Content (lbs/gal):** | Not avail | **Viscosity:** | Not avail | **Autoignition Temp:** | Not avail |

## Section 10: Stability and Reactivity

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|---|---|
| **General:** | This product is stable and non-reactive under normal conditions of use. Product is not subject to hazardous polymerization. Avoid freezing. |
| **Incompatible materials:** | Strong oxidizing agents, strong acids. |
| **Decomposition products:** | No decomposition products known. Toxic substances may be released in the event of a fire. |

## Section 11: Toxicological Information

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|---|---|
| **Toxicological Information (product):** | Product has not been tested. Product is expected to have low acute oral/dermal/inhalation toxicities. Contains residual vinyl acetate, which is a suspect human carcinogen. Prolonged exposures may be harmful to human health. |
| **Likely Routes of Exposure:** | Inhalation of vapors/mists, dermal |

**Toxicological Information (contained substances)**

| Hazardous substance (name) | LD50 Oral | LD50 Dermal | LC50 Inh | Irritancy: |
|---|---|---|---|---|
| polyvinyl acetate (polymer) | >5000 mg/kg (rat) | >5000 mg/kg (rabbit) | - | NA |
| vinyl acetate | 2920 mg/kg (rat) | >2000 mg/kg (rabbit) | 14 mg/L (4hr) | Respiratory |

| | |
|---|---|
| **Carcinogenicity or mutagenicity:** | Contains vinyl acetate as impurity, less than 1% of product. Vinyl acetate is an IARC Group 2B carcinogen (possibly carcinogenic to humans), and a GHS Category 2 carcinogen. |
| **Sensitization:** | Product is not expected to be a sensitizer. |
| **Other Notes:** | Not applicable. |

## Section 12: Ecological Information

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|---|---|
| **Aquatic toxicity:** | The primary components of this product (>99%) are not expected to be harmful to aquatic organinsms. Residual vinyl acetate (<1%) of product is moderately toxic to freshwater fish (12-18 mg/L). |
| **Degradation / Mobility info:** | No specific information. It is expected to be immobile, due to inert chemical characteristics. |
| **Bioaccumulative potential:** | No further information. |

## Section 13: Disposal Information

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|---|---|
| **Disposal Methods:** | The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with therequirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. |

## Section 14: Transport Information

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|---|---|
| **DOT:** | Not regulated for transport. |
| **IMO/IMDG:** | Not regulated for transport. |
| **IATA:** | Not regulated for transport. |
| **OTHER:** | Inquire for further transport information. |

## Section 15: Regulatory Information

| | |
|---|---|
| **TSCA:** | All components listed on the TSCA 8(b) inventory. |
| **U.S. Federal regulations:** | Clean Water Act (CWA) 311: sodium hydroxide |
| **CERCLA RQ:** | Vinyl acetate (5000 lbs) |
| **SARA 311/312:** | Chronic hazard. |
| **SARA 302:** | Vinyl acetate (TPQ 1000 lbs) |
| **SARA 313** | Vinyl acetate |
| **California Prop 65 Substances:** | None known. |
| **Canadian DSL:** | All substances in product are listed on the DSL. |

## Section 16: Other Information

**SDS Author:** Agrilead Regulatory Manager **Version Date**: 7/6/2015

*The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.*

# SAFETY DATA SHEET

## Section 1: Company and Product Identification

**Product Name:** CUSTOM COVERAGE BLUE

**Product Code:** AC-CCBIBC

**Manufactured For:** Agrilead, Inc.
441 E. Lucas Street
Russell, KS 67665
PH: 785-483-5000

**Emergency Response:** INFOTRAC 800-535-5053

**General Product Description:**

CUSTOM COVERAGE Blue is a seed treatment additive designed to enhance coverage, retention, and blue color intensity of applied treatments.

## Section 2: Hazards Identification

**OSHA/HCS STATUS:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200).

**Hazard Category:** Carcinogenicity - Category 2
Serious Eye Damage / Eye Irritation - Category 1

**Hazard Pictograms:**

**Signal Word:** Danger

**Hazard Statements:** Suspected of causing cancer.
Causes serious eye damage.

**Precautionary Statements:** **Prevention:** Obtain special instructions before use; do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Dispose of contents/container in accordance with local/regional/national/international rules. Store in secured area not accessable to unauthorized personal.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediatley call a POISON CENTER or physician. IF otherwise exposed or concerned, seek medical advice/attention.

**Hazards not otherwise classified:** Not applicable, none known.

## Section 3: Composition / Information on Ingredients

| Hazardous substance (name) | CAS# | Hazard Category | % |
|---|---|---|---|
| vinyl acetate | 108-05-4 | Flam Liq 2, Acute Tox 4 (inh), STOT SE 3 (resp irrit), Carc 2 | <1 |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

## Section 4: First Aid Measures

**FIRST AID If ingested:** Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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|---|---|
| **FIRST AID: If inhaled:** | Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| **FIRST AID Eye contact:** | Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. |
| **FIRST AID: Skin contact:** | Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| **Notable Exposure symptoms:** | **Eye Contact:** Causes serious eye damage. **Inhalation:** May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. **Skin Contact:** No known significant effects or critical hazards. **Ingestion:** May cause burns to mouth, throat and stomach. |
| | **Notes to Physician:** In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| **Additional Info:** | **Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

## Section 5: Fire Fighting Measures

| | |
|---|---|
| **General Info:** | Product is not expected to pose a fire / combusion hazard. If involved in fire, direct water spray may spread fire. Isolate any uncompromised product from area if possible. Do not breath fumes. If involved in fire or if heated, a pressure increase in closed packaged containers and may burst. |
| **Extinguishing Method / Equipment:** | Carbon dioxide (CO2), dry chemical, foam. Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. |
| **Hazardous Decomposition Info:** | Constituents associated with burning should be considered as toxic. |
| **Special protective actions for fire-fighters:** | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| **Special protective equipment for fire-fighters:** | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

## Section 6: Accidental Release Measures

| | |
|---|---|
| **Personal precautions, protective equipment and procedures:** | **For non-emergency personnel:** Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. **For emergency responders:** If specialised clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". **Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevent authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

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|---|---|
| | **Small Spills:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| **Containment Equipment and Cleanup Procedures:** | **Large Spills:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

## Section 7: Handling and Storage

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|---|---|
| **Safe Handling Precautions:** | Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| **Recommendations for Storage:** | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |
| **Incompatibilities:** | Store away from strong acids or oxidizing agents. Refer to Section 10. |
| **Advice on general occupational hygiene:** | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

## Section 8: Exposure Control / Personal Protection

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|---|---|
| **General / Engineering Controls:** | If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. |
| **Environmental exposure controls:** | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
| **Work Clothing:** | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. At minimum, protective work clothing should cover skin and prevent direct exposure. |
| **Eye/face protection:** | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead. |
| **Skin Protection:** | Wear chemical resistant gloves. Butyl gloves recommended for vinyl acetate exposure prevention. Footwear: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| **Respiratory Protection:** | In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use a properly fitted, air-purifying or airfed respirator complying with an approved standard if a risk assessment indicates this is necessary. |
| **Additional Information:** | Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |

| Substances with Exposure Limits | CAS# | ACGIH-TLV | ACGIH-STEL | OSHA-PEL | NIOSH-REL |
|---|---|---|---|---|---|
| vinyl acetate | 108-05-4 | 10 ppm (35 mg/m3) | 15 ppm (53 mg/m3) | Not established | 4 ppm (15 mg/m3) |

## Section 9: Physical and Chemical Properties

| | | | | | |
|---|---|---|---|---|---|
| **State:** | Liquid | **Melting Point:** | Not avail | **Freezing Point:** | 0C (32F) |
| **Color:** | Blue | **Boiling Point/Range:** | 100C (212F) | **pH** | Not Tested |
| **Weight per Gallon:** | 9.7 lbs | **Odor:** | Sweet | **Water Solubility:** | Soluble |
| **Evaporation rate:** | < 1 | **Flash Point:** | >200F | **Part. Coeff (n-octanol/water)** | Not avail |
| **Upper Flam Limits:** | Not avail | **Lower Flam Limits:** | Not avail | **Vapor Pressure:** | - |
| **VOC Content (lbs/gal):** | Not avail | **Viscosity:** | Not avail | **Autoignition Temp:** | Not avail |

## Section 10: Stability and Reactivity

**General:** This product is stable and non-reactive under normal conditions of use. Product is not subject to hazardous polymerization. Avoid freezing.

**Incompatible materials:** Strong oxidizing agents, strong acids.

**Decomposition products:** No decomposition products known. Toxic substances may be released in the event of a fire.

## Section 11: Toxicological Information

**Toxicological Information (product):** Product has not been tested. Product is expected to have low acute oral/dermal/inhalation toxicities. Contains residual vinyl acetate, which is a suspect human carcinogen. Prolonged exposures may be harmful to human health.

**Likely Routes of Exposure:** Inhalation of vapors/mists, dermal, face/eye splash

**Potential Acute Health Effects:** **Eye Contact:** causes serious eye damage. **Inhalation:** May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. **Skin Contact:** No known significant effects or critical hazards. **Injestion:** May cause burns to mouth, throat and stomach.

**Symptoms related to the physical, chemical and toxicological characteristics:** **Eye Contact:** Adverse symptoms may include pain, watering, and redness. **Inhalation:** No specific data. **Skin Contact:** Adverse symptoms may include pain or irritation, redness, and blistering may occur. **Injestion:** Adverse symptoms may include stomach pains.

**Toxicological Information (hazardous substances)**

| Hazardous substance (name) | LD50 Oral | LD50 Dermal | LC50 Inh | Irritancy: |
|---|---|---|---|---|
| vinyl acetate | 2920 mg/kg (rat) | >2000 mg/kg (rabbit) | 14 mg/L (4hr) | Respiratory |

**Carcinogenicity or mutagenicity:** Contains vinyl acetate as impurity, less than 1% of product. Vinyl acetate is an IARC Group 2B carcinogen (possibly carcinogenic to humans), and a GHS Category 2 carcinogen.

**Sensitization:** Product is not expected to be a sensitizer.

**Other Notes:** Not applicable.

## Section 12: Ecological Information

**Aquatic toxicity:** The primary components of this product (>99%) are not expected to be harmful to aquatic organinsms. Residual vinyl acetate (<1%) of product is moderately toxic to freshwater fish (12-18 mg/L).

**Degradation / Mobility info:** No specific information. It is expected to be immobile, due to inert chemical characteristics.

**Bioaccumulative potential:** No further information.

## Section 13: Disposal Information

| | |
|---|---|
| **Disposal Methods:** | The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with therequirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. |

## Section 14: Transport Information

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|---|---|
| **DOT:** | Not regulated for transport. |
| **IMO/IMDG:** | Not regulated for transport. |
| **IATA:** | Not regulated for transport. |
| **OTHER:** | Inquire for further transport information. |

## Section 15: Regulatory Information

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|---|---|
| **U.S. Federal regulations:** | All components listed on the TSCA 8(b) inventory.<br>TSCA 4(a) final test rules: Acetaldehyde<br>TSCA 8(a) PAIR: Acetaldehyde<br>Clean Water Act (CWA) 307: C.I. Pigment Blue 15<br>Clean Water Act (CWA) 311: Acetaldehyde; sodium hydroxide |
| **CERCLA RQ:** | Vinyl acetate (5000 lbs) |
| **SARA 311/312:** | Chronic hazard. |
| **SARA 302:** | Vinyl acetate (TPQ 1000 lbs) |
| **SARA 313** | Vinyl acetate |
| **California Prop 65 Substances:** | None known. |
| **Canadian DSL:** | All substances in product are listed on the DSL. |

## Section 16: Other Information

National Fire Protection Association (U.S.A.)
1 - Health
0 - Special
0 - Instability/Reactivity
0 - Flammability

**SDS Author:** Agrilead Regulatory Manager **Version Date**: 7/6/2015

*The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.*

# SAFETY DATA SHEET

## Section 1: Company and Product Identification

**Product Name:** CUSTOM COVERAGE ORANGE

**Product Code:** AC-CCOIBC

**Manufactured For:**
Agrilead, Inc.
441 E. Lucas Street
Russell, KS 67665
PH: 785-483-5000

**Emergency Response:** INFOTRAC 800-535-5053

**General Product Description:**

CUSTOM COVERAGE ORANGE is a seed treatment additive designed to enhance coverage, retention, and orange color intensity of applied treatments.

## Section 2: Hazards Identification

**Hazard Pictograms:**

**Signal Word:** Warning

**Hazard Category:** Carcinogenicity Cat 2

**Hazard Statements:** Suspected of causing cancer

**Precautionary Statements:**
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
IF exposed or concerned: Get medical advice/attention
Store locked up
Dispose of contents/container in accordance with local/regional/national/international

**Hazards not otherwise classified:** Not applicable, none known.

## Section 3: Composition / Information on Ingredients

| Hazardous substance (name) | CAS# | Hazard Category | % |
|---|---|---|---|
| vinyl acetate | 108-05-4 | Flam Liq 2, Acute Tox 4 (inh), STOT SE 3 (resp irrit), Carc 2 | <1 |

## Section 4: First Aid Measures

**General Info:** In general, product does not have any acute hazard characteristics. Treat exposures symptomatically as needed.

**Notable Exposure symptoms:** No notable exposure symptoms.

**FIRST AID If ingested:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**FIRST AID: If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**FIRST AID Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**FIRST AID: Skin contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

| | |
|---|---|
| **Note to Physician:** | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |

## Section 5: Fire Fighting Measures

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| **General Info:** | Product is not expected to pose a fire / combusion hazard. If involved in fire, direct water spray may spread fire. Isolate any uncompromised product from area if possible. Do not breath fumes. If involved in fire or if heated, a pressure increase in closed packaged containers and may burst. |
| **Extinguishing Method / Equipment:** | Carbon dioxide (CO2), dry chemical, foam. Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. |
| **Hazardous Decomposition Info:** | Constituents associated with burning should be considered as toxic. |
| **Special protective actions for fire-fighters:** | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| **Special protective equipment for fire-fighters:** | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

## Section 6: Accidental Release Measures

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| **Personal precautions, protective equipment and procedures:** | Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing vapors. Ventilate area if easy to do so. For personal protection, see section 8 of the SDS.<br>**Small Spills:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| **Containment Equipment and Cleanup Procedures:** | **Large Spills:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

## Section 7: Handling and Storage

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| **Safe Handling Precautions:** | Ensure adequate ventilation. Avoid breathing vapors/mists. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Put on appropriate personal protective equipment (see Section 8). |
| **Recommendations for Storage:** | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |
| **Incompatibilities:** | Store away from strong acids or oxidizing agents. Refer to Section 10. |

## Section 8: Exposure Control / Personal Protection

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| **General / Engineering Controls:** | Local exhaust ventilation should be utilized to control vapors / substances below exposure limits. |
| **Environmental exposure controls:** | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
| **Work Clothing:** | Protective work clothing which covers skin and prevents exposures. |
| **Eye/face protection:** | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields. |

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| **Skin Protection:** | Wear chemical resistant gloves. Butyl gloves recommended for vinyl acetate exposure prevention. Footwear: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| **Respiratory Protection:** | Utilize organic vapor respirator if airborne levels are not maintained below exposure limits, or if ventilation is inadequate. |
| **Additional Information:** | Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or exposed skin after using the product. |

| Substances with Exposure Limits | CAS# | ACGIH-TLV | ACGIH-STEL | OSHA-PEL | NIOSH-REL |
|---|---|---|---|---|---|
| vinyl acetate | 108-05-4 | 10 ppm (35 mg/m3) | 15 ppm (53 mg/m3) | Not established | 4 ppm (15 mg/m3) |

## Section 9: Physical and Chemical Properties

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|---|---|---|---|---|---|
| **State:** | Liquid | **Melting Point:** | Not avail | **Freezing Point:** | 0C (32F) |
| **Color:** | Red/Orange | **Boiling Point/Range:** | 100C (212F) | **pH** | Not Tested |
| **Weight per Gallon:** | 9.79 lbs | **Odor:** | Sweet | **Water Solubility:** | Soluble |
| **Evaporation rate:** | < 1 | **Flash Point:** | >200F | **Part. Coeff (n-octanol/water)** | Not avail |
| **Upper Flam Limits:** | Not avail | **Lower Flam Limits:** | Not avail | **Vapor Pressure:** | - |
| **VOC Content (lbs/gal):** | Not avail | **Viscosity:** | Not avail | **Autoignition Temp:** | Not avail |

## Section 10: Stability and Reactivity

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|---|---|
| **General:** | This product is stable and non-reactive under normal conditions of use. Product is not subject to hazardous polymerization. Avoid freezing. |
| **Incompatible materials:** | Strong oxidizing agents, strong acids. |
| **Decomposition products:** | No decomposition products known. Toxic substances may be released in the event of a fire. |

## Section 11: Toxicological Information

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|---|---|
| **Toxicological Information (product):** | Product has not been tested. Product is expected to have low acute oral/dermal/inhalation toxicities. Contains residual vinyl acetate, which is a suspect human carcinogen. Prolonged exposures may be harmful to human health. |
| **Likely Routes of Exposure:** | Inhalation of vapors/mists, dermal |

**Toxicological Information (contained substances)**

| Hazardous substance (name) | LD50 Oral | LD50 Dermal | LC50 Inh | Irritancy: |
|---|---|---|---|---|
| polyvinyl acetate (polymer) | >5000 mg/kg (rat) | >5000 mg/kg (rabbit) | - | NA |
| vinyl acetate | 2920 mg/kg (rat) | >2000 mg/kg (rabbit) | 14 mg/L (4hr) | Respiratory |

| | |
|---|---|
| **Carcinogenicity or mutagenicity:** | Contains vinyl acetate as impurity, less than 1% of product. Vinyl acetate is an IARC Group 2B carcinogen (possibly carcinogenic to humans), and a GHS Category 2 carcinogen. |
| **Sensitization:** | Product is not expected to be a sensitizer. |
| **Other Notes:** | Not applicable. |

## Section 12: Ecological Information

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| **Aquatic toxicity:** | The primary components of this product (>99%) are not expected to be harmful to aquatic organinsms. Residual vinyl acetate (<1%) of product is moderately toxic to freshwater fish (12-18 mg/L). |
| **Degradation / Mobility info:** | No specific information. It is expected to be immobile, due to inert chemical characteristics. |
| **Bioaccumulative potential:** | No further information. |

## Section 13: Disposal Information

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| **Disposal Methods:** | The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with therequirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. |

## Section 14: Transport Information

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| **DOT:** | Not regulated for transport. |
| **IMO/IMDG:** | Not regulated for transport. |
| **IATA:** | Not regulated for transport. |
| **OTHER:** | Inquire for further transport information. |

## Section 15: Regulatory Information

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| **TSCA:** | All components listed on the TSCA 8(b) inventory. |
| **U.S. Federal regulations:** | Clean Water Act (CWA) 311: sodium hydroxide |
| **CERCLA RQ:** | Vinyl acetate (5000 lbs) |
| **SARA 311/312:** | Chronic hazard. |
| **SARA 302:** | Vinyl acetate (TPQ 1000 lbs) |
| **SARA 313** | Vinyl acetate |
| **California Prop 65 Substances:** | None known. |
| **Canadian DSL:** | All substances in product are listed on the DSL. |

## Section 16: Other Information

**SDS Author:** Agrilead Regulatory Manager **Version Date**: 7/6/2015

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