

Section 1: Company and Product Identification

Product Name: COLORIZER™ BLUE
Product Code: AC-COBIBC
 Agrilead, Inc.
 441 E. Lucas Street
Company: Russell, KS 67665
 PH: 785-483-5000
Emergency Response: INFOTRAC 800-535-5053

General Product Description:

COLORIZER BLUE is a seed treatment additive (colorant) designed to impart a blue color on the finished treated seed when mixed with other seed treatment products.

Section 2: Hazards Identification

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

Classification of the substance or mixture: SERIOUS EYE DAMAGE / EYE IRRITATION - Category 1

Hazard Pictograms:



Signal Word: Danger
Hazard Statements: Causes serious eye damage.

Prevention: Wear eye or face protection. Wash hands thoroughly after handling.

Precautionary Statements: **Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Hazards not otherwise classified: None known.

Section 3: Composition / Information on Ingredients

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no 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.

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:

If involved in fire or if heated, a pressure increase will occur and closed packaged containers may burst.

Extinguishing Method / Equipment:

Use an extinguishing agent suitable for the surrounding fire. There are no known extinguishing media that are unsuitable for use around this product.

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.

Hazardous Thermal Decomposition Products:

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, metal oxide/oxides.

Section 6: Accidental release measures

Personal precautions, protective equipment and procedures:

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. 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 relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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 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

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.

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.

Incompatibilities:

No specific data available.

Section 8: Exposure Control / Personal Protection

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.
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:	Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical protects if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. 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
None	-	-	-	-	-

Section 9: Physical and Chemical Properties

State: Liquid	Melting Point: Not available	Freezing Point: 0C (32F)
Color: Blue	Boiling Point/Range: 100C (212F)	pH: Not tested
Weight Per Gallon: 9.5 lbs	Odor: Charactoristic	Solubility (cold or Hot Water): Insoluble
Evaporation rate: < 1	Flash Point: Not applicable	Part. Coeff (n-octanol/water): Not applicable
Upper Flam Limits: Not tested	Lower Flam Limits: Not tested	Vapor Pressure: Not available
VOC Content (lbs/gal): 0.21%	Viscosity: Not tested	Autoignition Temp: Not applicable

Section 10: Stability and Reactivity

General:	The product is stable. Under normal conditions of storage and use, hazardous reactions will not occur. There is no specific test data related to reactivity of this product or its ingredients.
Incompatible materials:	No specific data.
Decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

Toxicological Information	
Route of Exposure	ATE value
Oral	10873.6 mg/kg

Acute Toxicity (Conclusion/Summary):	No known significant effects or critical hazards.
Likely Routes of Exposure:	Not available.

Potential Acute Health Effects:

Symptoms related to the physical, chemical and toxicological characteristics:

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.

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. **Ingestion:** Adverse symptoms may include stomach pains.

Potential Chronic Health Effects:

General: No known significant effects or critical hazards.

Carcinogenicity or mutagenicity: No known significant effects or critical hazards.

Other Notes: No known significant effects or critical hazards for teratogenicity, developmental, or fertility effects.

Section 12: Ecological Information

General: This product has no known significant effects or critical hazards.

Aquatic toxicity: Not available.

Degradation / Mobility info: Not available.

Bioaccumulative potential: Not available.

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

DOT: Not regulated for transport.

IMO/IMDG: Not regulated for transport.

IATA: Not regulated for transport.

Special precautions for user: Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15: Regulatory Information

TSCA: All components listed on the TSCA 8(b) inventory.

TSCA 4(a) final test rules: Acetaldehyde

U.S. Federal regulations:

TSCA 8(a) PAIR: Acetaldehyde

Clean Water Act (CWA) 307: C.I. Pigment Blue 15

Clean Water Act (CWA) 311: Acetaldehyde; sodium hydroxide

SARA 313

None identified

Toxics in Packaging (CONEG):

In compliance.

Canadian DSL:

All substances in product are listed or exempted.

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.

Section 1: Company and Product Identification

Product Name: COLORIZER™ ORANGE

Product Code: AC-COOIBC

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

Emergency Response: INFOTRAC 800-535-5053

General Product Description:

COLORIZER ORANGE is a seed treatment additive (colorant) designed to impart an orange color on the finished treated seed when mixed with other seed treatment products.

Section 2: Hazards Identification

OSHA/HCS STATUS: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Hazard Pictograms: Not Applicable

Signal Word: Not Applicable **Note:** a CAUTION signal word is included on the package label as good measure to keep product out of reach of children.

Hazard Category: Non-classified

Hazard Statements: No known significant effects or critical hazards.

Precautionary Statements: Not Applicable

Hazards not otherwise classified: Not applicable, none known.

Section 3: Composition / Information on Ingredients

Hazardous substance (name)	Hazard Category	CAS#	Weight %
There are no 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.			

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

General Info: Product is not expected to pose a fire / combustion hazard. If involved in fire or if heated, a pressure increase will occur and closed packaged containers may burst.

Extinguishing Method / Equipment:	Use an extinguishing agent suitable for the surrounding fire. There are no known extinguishing media that are unsuitable for use around this product.
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.
Hazardous Decomposition Info:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, halogenated compounds, metal oxide/oxides.

Section 6: Accidental Release Measures

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. 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 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

Safe Handling Precautions:	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.
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.
Incompatibilities:	No specific data available.

Section 8: Exposure Control / Personal Protection

General / Engineering Controls:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
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.
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.
Skin Protection:	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:

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
None	-	-	-	-	-

Section 9: Physical and Chemical Properties

State:	Liquid	Melting Point:	Not avail	Freezing Point:	0C (32F)
Color:	Red/ Orange	Boiling Point/Range:	100C (212F)	pH	Not tested
Weight Per Gallon:	9.75 lb/g	Odor:	Characteristic	Water Solubility:	Insoluble in cold/hot
Evaporation rate:	< 1	Flash Point:	Not applicable	Part. Coeff (n-octanol/water)	Not applicable
Upper Flam Limits:	Not tested	Lower Flam Limits:	Not tested	Vapor Pressure:	Not available
VOC Content:	8.39%	Viscosity:	Not tested	Autoignition Temp:	Not applicable

Section 10: Stability and Reactivity

General:	The product is stable. Under normal conditions of storage and use, hazardous reactions will not occur. There is no specific test data related to reactivity of this product or its ingredients.
Incompatible materials:	No specific data.
Decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information**Toxicological Information**

Route of Exposure	Values
-	No data or estimates available

Acute Toxicity (Conclusion/Summary): No known significant effects or critical hazards.

Likely Routes of Exposure: Not available.

Potential Chronic Health Effects:

General:	No known significant effects or critical hazards.
Carcinogenicity or mutagenicity:	No known significant effects or critical hazards.
Other Notes:	No known significant effects or critical hazards for teratogenicity, developmental, or fertility effects.

Section 12: Ecological Information

General:	This product has no known significant effects or critical hazards.
Aquatic toxicity:	Not available.
Degradation / Mobility info:	Not available.
Bioaccumulative potential:	Not available.

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 the requirements 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

DOT: Not regulated for transport.
IMO/IMDG: Not regulated for transport.
IATA: Not regulated for transport.

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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

SARA 313 None identified

Toxics in Packaging (CONEG): In compliance.

Canadian DSL: All substances in product are listed or exempted.

International Lists: **Australia inventory (AICS):** All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: All components are listed or exempted.
Korea inventory: All components are listed or exempted.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): At least one component is not listed.
Taiwan inventory (CSNN): Not determined.
Europe Inventory: Please contact your supplier to get the information.

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.

Section 1: Company and Product Identification

Product Name:	COLORIZER™ RED	General Product Description:
Product Code:	AC-CORIBC	COLORIZER RED is a seed treatment additive (colorant) designed to impart a red color on the finished treated seed when mixed with other seed treatment products.
Company:	Agrilead, Inc. 441 E. Lucas Street Russell, KS 67665 PH: 785-483-5000	
Emergency Response:	INFOTRAC 800-535-5053	

Section 2: Hazards Identification

OSHA/HCS STATUS:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.	
Hazard Pictograms:	Not Applicable	
Signal Word:	Not Applicable	Note: a CAUTION signal word is included on the package label as good measure to keep product out of reach of children.
Hazard Category:	Non-classified	
Hazard Statements:	No known significant effects or critical hazards.	
Precautionary Statements:	Not Applicable	
Hazards not otherwise classified:	Not applicable, none known.	

Section 3: Composition / Information on Ingredients

Hazardous substance (name)	Hazard Category	CAS#	Weight %
There are no 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.			

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

General Info:	Product is not expected to pose a fire / combustion hazard. If involved in fire or if heated, a pressure increase will occur and closed packaged containers may burst.
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Extinguishing Method / Equipment:	Use an extinguishing agent suitable for the surrounding fire. There are no known extinguishing media that are unsuitable for use around this product.
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.
Hazardous Decomposition Info:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, halogenated compounds, metal oxide/oxides.

Section 6: Accidental Release Measures

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. 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 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

Safe Handling Precautions:	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.
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.
Incompatibilities:	No specific data available.

Section 8: Exposure Control / Personal Protection

General / Engineering Controls:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
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.
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.
Skin Protection:	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:

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
None	-	-	-	-	-

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:	9.25 lb/g	Odor:	Characteristic	Water Solubility:	Insoluble in cold/hot
Evaporation rate:	< 1	Flash Point:	Not applicable	Part. Coeff (n-octanol/water)	Not applicable
Upper Flam Limits:	Not tested	Lower Flam Limits:	Not tested	Vapor Pressure:	Not available
VOC Content:	8.39%	Viscosity:	Not tested	Autoignition Temp:	Not applicable

Section 10: Stability and Reactivity

General:	The product is stable. Under normal conditions of storage and use, hazardous reactions will not occur. There is no specific test data related to reactivity of this product or its ingredients.
Incompatible materials:	No specific data.
Decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information**Toxicological Information**

Route of Exposure	Values
-	No data or estimates available

Acute Toxicity (Conclusion/Summary): No known significant effects or critical hazards.

Likely Routes of Exposure: Not available.

Potential Chronic Health Effects:

General:	No known significant effects or critical hazards.
Carcinogenicity or mutagenicity:	No known significant effects or critical hazards.
Other Notes:	No known significant effects or critical hazards for teratogenicity, developmental, or fertility effects.

Section 12: Ecological Information

General:	This product has no known significant effects or critical hazards.
Aquatic toxicity:	Not available.
Degradation / Mobility info:	Not available.
Bioaccumulative potential:	Not available.

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 the requirements 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

DOT: Not regulated for transport.
IMO/IMDG: Not regulated for transport.
IATA: Not regulated for transport.

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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
SARA 313 None identified
Toxics in Packaging (CONEG): In compliance.
Canadian DSL: All substances in product are listed or exempted.
International Lists:
Australia inventory (AICS): All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: All components are listed or exempted.
Korea inventory: All components are listed or exempted.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): At least one component is not listed.
Taiwan inventory (CSNN): Not determined.
Europe Inventory: Please contact your supplier to get the information.

Section 16: Other Information

National Fire Protection Association (U.S.A.)

1 - Health
0 - Special
0 - Instability/Reactivity
0 - Flammability

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