SAFETY DATA SHEET

Section 1: Company and Product Identification

Product Name: STEELY RED

Product Code: AC-CORIBC

Manufactured By: Agrilead, Inc.
345 S. Fossil Street
Russell, KS 67665
PH: 785-483-5000

Emergency Response: INFOTRAC 800-535-5053

General Product Description:

STEELY RED is a combination seed treatment additive designed to impart a red color on the finished treated seed along with plant nutritional iron derived from iron oxide.

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

Component	Hazard Category	CAS#	Weight %
Iron Oxide	none	1309-37-1	<80%

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 dry chemical, CO2, water spray (fog) or foam. DO NOT USE WATER JET.
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.
Containment Equipment and Procedures:	**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. **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	OSHA-PEL	NIOSH-IDLH
Iron Oxide	1309-37-1	TWA: 5mg/m^3	(Vacated) TWA: 10 mg/m3 (Vacated) TWA: 5 mg/m3 TWA: 10 mg/m3 TWA: 15 mg/m3 TWA: 5 mg/m3	IDLH: 2500 mg/m3 TWA: 5 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**	7.0 to 8.0
Weight Per Gallon:	11.64 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

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Iron Oxide	> 10,000 mg/kg (Rat)	Not Listed	Not Listed

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

Component	Freshwater Algae	Freshwater Fish	Water Flea
Iron Oxide	not listed	LC0 > 50000 mg/l/96h (Danio rerio)	EC50 >100 mg/l/48h

General:	This product has no known significant effects or critical hazards.
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.
U.S. Federal regulations:	Clean Water Act (CWA) 311: sodium hydroxide
SARA 313	None identified
Toxics in Packaging (CONEG):	In compliance.
Canadian Inventory:	At least one component is not listed in DSL but all such component are listed in NDSL
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 Chemical Substance Inventory (TCSI):** All components are listed or exempted. **Europe Inventory:** Please contact your supplier to get the information. **Turkey Inventory:** Not Determined

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:** 6/24/2022

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