

SAFETY DATA SHEET

Section 1: Company and Product Identification

Product Name:	STEELY RED	General Product Description:
Product Code:	AC-CORIBC	STEELY RED is a combination seed treatment additive
Manufactured By:	Agrilead, Inc. 345 S. Fossil Street Russell, KS 67665 PH: 785-483-5000	designed to impart a red color on the finished treated seed along with plant nutritional iron derived from iron oxide.
Emergency Response:	INFOTRAC 800-53	3
Section 2: Hazards Identification	n	
OSHA/HCS S	TATUS: 1910.12	terial is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR nis SDS contains valuable information critical to the safe handling and proper use of the product. ald be retained and available for employees and other users of this product.
Hazard Pictograms:	Not Ap	le
Signal Word:	Not App	e 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-cla	
Hazard Statements:	No know	nificant effects or critical hazards.
Precautionary Statements:	Not App	e

Section 3: Composition / Information on Ingredients

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

Not applicable, none known.

Section 4: First Aid Measures

Hazards not otherwise classified:

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

Elinguishing Methali Use dy chemical, CO2, water spray (fog) or foun. DO NOT USE WATER JET. Special protective sections for fire-fighteres Promptly isolate the scene by pernoving all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal rok or without suitable training. Special protective sections for fire-fighteres Pire-fighteres should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full Ince- personal precentions, protective calls and incide the following materials: carbon dioxide, and/on monoxide, nitrogen oxides, suffur Containent Release Wateres Personal precentions, protective quipment and protective equipment and self-contained breathing opparatus (SCBA) with a full Ince- protection 6: Accidental Release Wateres Prosonal precentions, protective quipment and protections, suffur Containent Keinese (SCBA) with a full Ince- Proceeding (SCBA) with a full Ince-	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.
Instrument Instrum	8 8	Use dry chemical, CO2, water spray (fog) or foam. DO NOT USE WATER JET.
equipment for fire-fighters: piece operated in positive pressure mode. Hazardow Decomposition Info: Decomposition products may include the following materials: carbon dioxide, earbon monoxide, nitrogen oxides, sulfur oxides, halogenated compounds, metal oxide/oxides. Section 6: Accidental Release Measures Personal precautions, protective: Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing vapus. Ventilate area if usy to do so. For presonal 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 it water-andulue, abord wata to inpersonal protection, see section 8 of the SDS. Containment Equipment and Procedures: Large Spills: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively or it water-andulue, abord wata to inform spill area. Prevent entry into sewers, water containers from spill area. Prevent entry into sewers, water container for disposal accomption to local regulations (see Section 13 for water disposal contractor. Note: see Section 1 For energency contact information and Section 13 for water disposal. Section 7: Handling Precautions: Put on appropriate personal protective equipment (see Section 8). Recommendations for Storage: Store in accoding to local regulations. Store in original continent point and water and more explored and mode. Stored and processed. Workers about the worker aproperiate containers. Use appropriate containers. Use approprinte c		
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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, airpurifying 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)	рН	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	
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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: Degradation / Mobility info: Bioaccumulative potential:	This product has no known significant effects or critical hazards. Not available. Not available.		
Section 13: Disposal Informatio	n		
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 Informat	ion		
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 Informa	tion		
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		
	Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): All components are listed or exempted.		

International Lists:	Malaysia Inventory (EHS Register): Not determined.
International Lists:	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

Japan inventory: All components are listed or exempted. Korea inventory: All components are listed or exempted. Malaysia Inventory (EHS Register): Not determined.

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