

SAFETY DATA SHEET

REGAL CHEMICAL COMPANY

Updated: February 6, 2015

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	GUARDIAN®
Manufactured for:	REGAL CHEMICAL COMPANY 600 Branch Drive Alpharetta, GA 30004
Product Use:	Non-Ionic Wetting Agent for Fine Turfgrass
Emergency telephone number:	(Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call:	(770) 475-4837

2. HAZARDS IDENTIFICATION

GHS Classification:

Acute Toxicity, Category 4, H302

Skin Irritation, Category 2, H315

Eye Irritation, Category 2A, H319



H302, H315, H319

Signal Word: Warning

Hazard Statements:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Precautionary Statements:

Prevention

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P264: Wash protective equipment and work clothes thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear eye protection/face protection.

Response

P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor or Chemtrec if person feels unwell.

P302+P352: IF ON SKIN: Wash with plenty of water.

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Treat Symptomatically.

P330: Rinse mouth.

P332+P313: If skin irritation occurs: Get medical advice or attention.

P337+P313: If eye irritation persists: Get medical attention or advice.

P362+P364: Take off contaminated clothing and wash it before reuse.

Disposal

P501: Dispose of contents/container to disposal plant in accordance with federal, state and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Weight %
Succinate derivative		<10

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Alcohol ethoxylate	<1
Block copolymer	<50

4. FIRST AID MEASURES

IF SWALLOWED: Call a POISON CENTER/doctor or Chemtrec if person feels unwell. Rinse mouth. Have person sip a glass of water if able to swallow. Do NOT induce vomiting, unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN: Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention. Treat Symptomatically. Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Other Effects: This product is not a carcinogen by NTP, OSHA and ACGIH.

5. FIREFIGHTING MEASURES

Suitable Extinguishing media: Water spray (fog), foam, CO₂, sand, or dry chemicals.

Specific Hazards: None.

PPE and Precautions: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Evacuate the spill area, except for cleanup personnel. Do not release to drain. Wear personal protective equipment (PPE). Control spill with adsorbent pads or booms. When absorbed, sweep or otherwise collect and dispose of properly.

Disposal: Dispose of in accordance with federal, state or province, and local regulations.

7. HANDLING AND STORAGE

Keep away from heat, sparks and flame. Keep container closed. Safety goggles and eyewash recommended. USDA-accepted Nitrile (CFR-20) or Neoprene Rubber (CFR-21) recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Product should be stored in a dry place. Partially used containers should be resealed between uses for maximum storage stability.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits: N/D

Eye/Face Protections: Wear splash-proof chemical safety goggles. Contact lenses should not be worn when working with chemicals.

Skin Protection: Wear coveralls and boots to minimize skin contact. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash work clothes, and shower.

Respiratory Protection: Not required under normal use conditions with good ventilation. Protect against spray mists.

General Protection: Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wash thoroughly after handling product.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid	UEL:	N/D
Odor:	No distinct odor	LEL:	N/D
Odor Threshold:	N/D	Vapor Pressure:	N/D
pH:	N/D	Vapor Density:	N/D
Melting Point:	N/D	Relative Density:	1.13
Freezing Point:	N/D	Solubility in water:	Moderate to complete
Boiling Point:	>200 F	Partition Coefficient:	N/D
Flash Point:	N/D	Autoignition Temperature:	N/D
Evap. Rate (water=1):	~1	Decomposition Temperature:	N/D
Flammability:	N/D		

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur under normal conditions.
Condition to Avoid:	Heat, sparks and open flames.
Incompatible Materials:	Oxidizing agents, acids. Do not mix with chlorinated detergents or sanitizers.
Hazardous Decomposition Products:	Burning may produce carbon monoxide and/or carbon dioxide.

11. TOXICOLOGICAL INFORMATION

No toxicological data is available for this product.

		<u>Succinate</u>	<u>Block Copolymer</u>
ACUTE TOXICITY:	Oral:	LD50 = 1750 mg/kg in the rat	>2000 mg/kg in the rat
	Dermal:	LD50 = 5000 mg/kg in rabbit	No Data
	Inhalation:	LC50 (4hr) >20 mg/kg in the rat	No Data
IRRITATION:	Skin:	Irritant in Rabbit	No Data
	Eye:	Irritant in Rabbit	Slight Irritant
SENSITISATION:	Dermal:	Sensitising	No Data
	Patch Test:	Not Sensitising	No Data
	Inhalation:	No Data	No Data

12. ECOLOGICAL INFORMATION

No ecological data is available for this product.

13. DISPOSAL CONSIDERATIONS

Component Waste Numbers:	No EPA Waste Numbers are applicable for this product's components.
Disposal Instructions:	Recycle or rework material if at all possible. Incinerate material at an approved facility. Treat at an acceptable waste treatment facility or municipal waste treatment plant after proper testing and approval waste samples in compliance with applicable federal, state and local environmental regulations.
Container Reuse:	An empty container may hold product residue and should not be reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse. Dispose of contents/container to disposal plant in accordance with federal, state and local regulations.

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14. TRANSPORT INFORMATION

DOT Status (Highway and rail): Not Regulated
IATA Status (Air): Not Regulated
Marine Pollutant: No

15. REGULATORY INFORMATION

TSCA: All components of this product are listed under the regulation of the Toxic Substance Control Act.

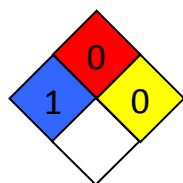
SARA HAZARD: No

16. OTHER INFORMATION

HMIS Hazard Rating

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

NFPA Rating



Date Prepared: March 26, 2014

Last Updated: February 6, 2015

WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, REGAL CHEMICAL COMPANY MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

N/R—Not Rated

N/D—Not Determined

N/A—Not Applicable

N/E—Not Established

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.