

# MATERIAL SAFETY DATA SHEET

Regalia® SC

MSDS DATE: 05/04/09

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Regalia® SC

MANUFACTURER: Marrone Bio Innovations  
DIVISION:  
ADDRESS: 2121 Second Street Suite 107B Davis CA, 95618

EMERGENCY PHONE: Info Trac Chemical Response System 800 535 5053 (24 hours)

OTHER CALLS: 530 750 2800 ( 9am to 5 pm PST)  
FAX PHONE:

PRODUCT USE: Natural Bioprotectant for use in Crops and Non-crops (ornamentals)  
REVISION DATE:: 5/16/2008

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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ACTIVE INGREDIENT:  
*Reynoutria spp* extract

<u>CAS NO.</u>	<u>% WT</u>	<u>EXPOSURE LIMITS</u>
NONE	5	None Estabished

OTHER INGREDIENTS:  
Water and other Proprietary ingredients

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## SECTION 3: HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW: Brown Liquid with earthy tea-like odor

POTENTIAL ROUTES OF ENTRY: Eyes, skin, inhalation and ingestion.

POTENTIAL HEALTH EFFECTS: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (corrosive, permeator). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or possibly blistering

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Unknown

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CARCINOGENICITY: Unknown, not expected to be carcinogenic. Ingredients are not considered carcinogenic.

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Flush with water for atleast 15 mintes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Do not use an eye ointiment. Call a phycisian if irritation persists.

**SKIN:** Wash exposed area with soap and water for at least 15 minutes. Remove contaminated clothing. Call a physician if irritation persists.

**INGESTION:**Obtain medical attention as soon as possible. Do not induce vomiting. Do not give anything by mouth an unconscious person.

**INHALATION:** Remove person to ventilated area and follow normal first aid procedures.

## SECTION 5: FIRE-FIGHTING MEASURES

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### IGNITIBILITY:

F: > 205

C: > 96

METHOD USED: SW 1010

### BOILING POINT:

F: Not Determined

C: Not Determined

### NFPA HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

### HMIS HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

**SPECIAL FIRE FIGHTING PROCEDURES:** Use Foam, Carbon Dioxide, or Dry Chemical extinguishers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, smoke, fumes, and hydrocarbons and terpenes.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Consult a specialist before handling this product. If spilled, contain - prevent run off into drains and waterways. Absorb liquid with an inert absorbent material. Seal absorbent material in a closed labeled container and dispose of in accordance with local ordinances.

## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Keep containers closed when not in use

**OTHER PRECAUTIONS:** No special precautions.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: Spill controls should be provided for working with large quantities.

VENTILATION : No TLV assigned. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and aerosols below the exposure levels. Ensure that eyewash stations and safety showers are proximal to the work-station location.

RESPIRATORY PROTECTION: Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

EYE PROTECTION: Wear eye protection suitable for the application.

SKIN PROTECTION: Wear chemical resistant gloves appropriate for corrosive products.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear removable coveralls. Remove contaminated coveralls and any contaminated clothing.

WORK HYGIENIC PRACTICES: Do not smoke or eat when handling this product.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Brown Liquid

ODOR: Earthy tea-like odor

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.24 g/mL

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SOLUBILITY IN WATER: Miscible in Water

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## SECTION 10: STABILITY AND REACTIVITY

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STABILITY: Stable

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Will not occur

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## SECTION 11: OTHER INFORMATION

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DISCLAIMER: IN NO EVENT SHALL MARRONE BIO INNOVATIONS BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES. THE DATA PROVIDED IS FOR GENERAL INFORMATION ONLY AND IS NOT INTENDED AS A COMPREHENSIVE GUIDE CONCERNING HAZARDS THAT MAYBE ASSOCIATED WITH THIS PRODUCT. USER ASSUMES ALL RESPONSIBILITY FOR FOLLOWING PROPER SAFETY PROTOCOL AND CONSULTING TRAINED PERSONNEL FOR CONTROL AND CONTAINMENT.