



*Rooted in Science*

## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

#### 1.1 Product Identifier

**Trade Name** Pervade Pellets

**SDS Date** March 30, 2017

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Product Use:** Wetting agent.

**Uses Advised Against:** To be used only where there is a recognized need. Do not exceed the appropriate dose rates.

#### 1.3 Details of the Supplier of the Substance or Mixture

**Manufacturer:** Floratine Products Group, Inc.  
355 East South Street  
Collierville, TN 38017  
+1 901-853-2898

#### 1.4 Emergency Telephone Number

**Emergency Spill Information** 1(800) 535-5053 for US and Canada (INFOTRAC)  
+1(352) 323-3500 for International Calls (call INFOTRAC collect)

**Other Product Information:** [cs@floratine.com](mailto:cs@floratine.com)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture

**CLP/GHS Classification (1272/2008):**

Eye Irritant Category 2

**EU Classification (67/548/EEC):** Not a dangerous substance

#### 2.2 Label Elements

**Warning!**



**Hazard Phrases**

H319 Causes serious eye irritation.

## Precautionary Phrases

P264 Wash hands thoroughly after handling.

P280 Wear eye protection and face protection.

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

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

**2.3 Other Hazards:** None**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures**

Chemical Name	CAS Number / EINECS Number / REACH Reg. Number	% (w/w)	EU Classification (67/548/EEC)	CLP/GHS Classification (1272/2008)
Proprietary Blend of Diocetyl Sulfocuccinate	577-11-7 209-406-4	<3%	Xi R41, R38	Skin Irrit. 2 (H315) Eye Dam 1 (H318)

See Section 16 for full text of GHS and EU Classifications.

**SECTION 4: FIRST AID MEASURES****4.1 Description of First Aid Measures****First Aid**

**Eye contact:** Flush eyes with water for 15 minutes while lifting the upper and lower lids. Get medical attention if irritation develops.

**Skin contact:** Wash with soap and water. Get medical attention if irritation develops.

**Inhalation:** No first aid treatment required due to physical form.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. If the person is alert, have them rinse their mouth with water and sip one glass of water. Call a poison center or physician for advice. Never give anything by mouth to an unconscious or drowsy person.

**See Section 11 for more detailed information on health effects.**

**4.2 Most Important symptoms and effects, both acute and delayed:** Causes eye irritation. Swallowing may cause nausea or diarrhea.

**4.3 Indication of any immediate medical attention and special treatment needed:** None needed under normal use conditions.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing Media:** Use any media that is suitable for the surrounding fire. Water can be used to cool fire exposed containers.

**5.2 Special Hazards Arising from the Substance or Mixture**

**Unusual Fire and Explosion Hazards:** None

**Combustion Products:** Carbon, nitrogen and sulfur oxides and hydrocarbons. .

**5.3 Advice for Fire-Fighters:** Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear appropriate protective equipment.

**6.2 Environmental Precautions:**

Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations.

**6.3 Methods and Material for Containment and Cleaning Up:**

Pick up pellets and return to container for use.

**6.4 Reference to Other Sections:**

Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

**SECTION 7: HANDLING and STORAGE**

**7.1 Precautions for Safe Handling:**

Use reasonable care in handling. Do not eat, drink or smoke while using product. Wash thoroughly with soap and water after handling.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:**

Protect containers from physical damage. Keep from freezing. Keep containers closed. Empty containers retain product residues. Follow all SDS precautions in handling empty containers. Store away from food and feed.

**7.3 Specific end use(s):**

**Industrial uses:** None identified

**Professional uses:** Wetting agent.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters:**

Chemical Name	US OEL	EU IOEL	UK OEL	Biological Limit Value
Proprietary Blend of Dioctyl Sulfocuccinate	None Established	None Established	None Established	None Established

**8.2 Exposure Controls:**

**Recommended Monitoring Procedures:** None.

**Appropriate Engineering Controls:** Good outdoor ventilation should be adequate under normal conditions.

**Personal Protective Measurers**

**Eye/face Protection:** None needed under normal use conditions. Safety glasses or recommended if needed to avoid eye contact.

**Skin Protection:** None needed under normal use conditions. Impervious clothing is recommended if needed to avoid prolonged/repeated skin contact.

**Hands:** None needed under normal use conditions. Impervious gloves are recommended if needed to avoid prolonged/repeated skin contact.

**Respiratory Protection:** None needed under normal use conditions with adequate ventilation. If mists are irritating, an approved particulate respirator can be used. Use respirators in accordance with local and national regulations.

**Other protection:** Suitable washing facilities should be available in the work area.

## SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

### 9.1 Information on basic Physical and Chemical Properties

**Appearance:** Black solid

**Odor Threshold:** Not applicable

**Melting/Freezing Point:** Not applicable

**Flash Point:** Not applicable

**Lower Flammability Limit:** Not applicable

**Upper Flammability Limit:** Not applicable

**Vapor Density(Air=1):** Not applicable

**Solubility:** Complete

**Autoignition Temperature:** None

**Viscosity:** Not determined

**Oxidizing Properties:** None

**Molecular Formula:** Mixture

**Odor:** No odor.

**pH:** Not applicable

**Boiling Point:** Not applicable)

**Evaporation Rate:** Not applicable

**Vapor Pressure:** Not applicable

**Relative Density:** Not applicable

**Octanol/Water Partition Coefficient:** Not determined

**Decomposition Temperature:** Not determined

**Explosive Properties:** None

**Specific Gravity (H<sub>2</sub>O= 1):** Not applicable

**Molecular Weight:** Mixture

**9.2 Other Information:** None available

## SECTION 10: STABILITY and REACTIVITY

**10.1 Reactivity:** Not reactive under normal conditions.

**10.2 Chemical Stability:** Stable.

**10.3 Possibility of Hazardous Reactions:** None known.

**10.4 Conditions to Avoid:** None known.

**10.5 Incompatible Materials:** Incompatible with oxidizing agents and bases.

**10.6 Hazardous Decomposition Products:** Decomposition may produce carbon, nitrogen and sulfur oxides and various hydrocarbons.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

#### Potential Health Effects:

**Eye Contact:** None expected under normal conditions of use. Direct contact and spray mists during application may cause eye irritation.

**Skin contact:** Prolonged contact with pellets or solution may cause mild skin irritation.

**Inhalation:** Excessive inhalation of spray mists during application may cause upper respiratory tract irritation.

**Ingestion:** Swallowing pellets may cause gastrointestinal effects including nausea and diarrhea.

**Acute toxicity:** No toxicity data available for the product  
Proprietary Blend of Dioctyl Sulfocuccinate Oral rat LD50 >3000 mg/kg, Dermal rabbit LD50 >10,000 mg/kg.

**Skin corrosion/irritation:** Proprietary Blend of Dioctyl Sulfocuccinate irritating to rabbit skin.

**Eye damage/ irritation:** Proprietary Blend of Dioctyl Sulfocuccinate causes irreversible damage to rabbit eyes.

**Respiratory Irritation:** No data available. Expected to cause only temporary irritation.

**Respiratory Sensitization:** No data available

**Skin Sensitization:** Proprietary Blend of Dioctyl Sulfocuccinate not sensitizing in human patch tests.

**Germ Cell Mutagenicity:** Proprietary Blend of Dioctyl Sulfocuccinate negative in the AMES test and ambiguous in an in vitro mammalian chromosome aberration test.

**Carcinogenicity:** None of the product are listed as carcinogens by OSHA, IARC or NTP or the EU directive.

**Reproductive Toxicity:** Proprietary Blend of Dioctyl Sulfocuccinate In a three generational oral study, rats were administered dioctyl sulfocuccinate in their diet. No reproductive or developmental effects were seen. NOAEL is 1% dioctyl sulfocuccinate.

**Specific Target Organ Toxicity:**

Single Exposure: No data available

## **SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity:** No toxicity data available for the product.  
Proprietary Blend of Dioctyl Sulfocuccinate 96 hr Danio rerio 49 mg/L, 48 hr EC50 daphnia magna 6.6 mg/L, 72 hr EC50 Desmodesmus subspicatus 22 mg/L

**12.2 Persistence and degradability** Proprietary Blend of Dioctyl Sulfocuccinate is readily biodegradable (91.1% in 28 days).

**12.3 Bioaccumulative Potential:** The BCF for Proprietary Blend of Dioctyl Sulfocuccinate is estimated to be 1.9.

**12.4 Mobility in Soil:** In the soil, product follows natural cycle to provide plant nutrients.

**12.5 Results of PVT and vPvB assessment:** Not required.

**12.6 Other Adverse Effects:** No data available.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste Treatment Methods:**

Dispose in accordance with local/ and national regulations. Not considered hazardous waste according to EU regulations.

## **SECTION 14: TRANSPORTATION INFORMATION**

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not Regulated			

14.6 Special Precautions for User: None

14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code: Not determined.

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

#### US Regulations

**CERCLA Section 103:** The normal application of fertilizers is exempt from CERCLA reporting. If an accidental release occurs, contact Floratine Products Group for information.

**SARA Hazard Category (311/312):** Acute Health Hazard, Chronic Health Hazard

**SARA 313:** Products used in routine agricultural operations and fertilizers held for resale by retailers is excluded from SARA 313 reporting. Contact Floratine Products Group for additional information.

#### Canada:

**Canadian WHMIS Classification:** Class D2, Subdivision A

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

#### International Chemical Inventories

**US EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on the TSCA inventory or exempt.

**Canadian Environmental Protection Act:** All of the components in this product are listed on the Domestic Substances List (DSL) or exempt.

## SECTION 16: OTHER INFORMATION

#### CLP/GHS Classification and H Phrases for Reference (See Section 3)

Eye Irritant Category 2

Skin Irrt. 2 (H315)

H319 Causes serious eye irritation.

This safety data sheet provides health and safety information. The product is to be used in applications consistent with best farming practice. Individuals handling this product should be informed under COSHH of the recommended safety precautions and should have access to this information. The product information data sheet is to the best of Floratine's knowledge correct as at the date of publication. Neither Floratine, importer or local supplier accepts liability for any loss or damage resulting from reliance on this information. Further information on this product may be obtained from the supplier whose name, address and telephone number will be found on the product container. The information provided herein is offered solely for your consideration, investigation and verification. This information herein is provided by Floratine in good faith as accurate at the time of writing but without guarantee. This information includes information which has been generated by other parties and provided to Floratine and which Floratine has not independently verified. The information provided herein relates only to the specific product designated and may not be valid if the product is used in combination with any other materials or in any process.