



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 May 25, 2021

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 USA
+1 901-853-2898

Importer: Turfcare Australia
Shane Summerhayes
115 PITTOWN RD. MCGRATHS HILL
SYDNEY NSW Australia 6400
+61 (425) 280300
shane@turfcareaus.com.au

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

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 Dioctyl Sulfocuccinate | 577-11-7 209-406-4 | <3% | Xi R41, R38 | Skin Irrt. 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 Sulfo succinate | 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 (H₂O= 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 Desmodemus 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 | | | |
| IMDG | None | Not Regulated | | | |
| IATA/ICAO | 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.

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.

Australia: All of the components in this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempt.

SECTION 16: OTHER INFORMATION

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

Skin Irrit 2 Skin Irritation Category 2

Eye Dam 1 Eye Damage Category 1

STOT RE 1 Specific Target Organ Toxicity Repeat Exposure Category 1

H315 Causes skin irritation.

H318 Causes serious eye damage.

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.