

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

DATE ISSUED: 09/01/19

PRODUCT NAMES: STEM DISCOVERY BOXES GLOW-IN-THE-DARK BOUNCY BALLS

DESCRIPTION: Polyacrylate, Super Absorbent Polymer, Phosphorescent Pigment (Glow in the dark bouncy ball crystals)

SUPPLIER:

STEM Discovery Boxes

665 Bamberger Road, Eters, PA 17319

Tel: 717-480-7632

EMERGENCY TELEPHONE: 86-579-8536-3788 24 hours, 7 days: (800) 222-1222

SECTION 2 - COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME

CAS NUMBER

Potassium acrylate, crosslinked

09003-04-7

Phosphorescent Pigment (Alkaline Earth Aluminates)

Non-Applicable

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: White, fine flowing dry powder or crystals with little or no odor. Spills are very slippery. Avoid contact with skin, eyes and clothing. Contact with eyes may produce irritation and/or redness. Inhaled dust may cause some respiratory irritation. Can also come in a variety of colors.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Eye contact may produce slight irritation and/or redness.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: No adverse health hazard risks presented

EFFECTS OF OVEREXPOSURE - INHALATION: Inhaled dust may cause some respiratory irritation.

EFFECT OF OVEREXPOSURE: INGESTION: No adverse health hazard risks if swallowed in small quantity. If large amounts ingested, seek medical attention.

EFFECTS OF OVEREXPOSURE: CHRONIC HAZARDS: No adverse health hazard risks presented

PRIMARY ROUTE OF ENTRY: Eyes, Inhalation, Mouth.

SECTION 4 - FIRST AID MEASURES

INHALATION: Remove patient to fresh air.

SKIN: Remove contaminated clothing and launder before reuse. Wash affected area with soap and water for at least 15 minutes.

EYE CONTACT: Flush with water at least 15 minutes with eyelids open. Call a physician. **INGESTION:** Do not give an emetic unless directed by a physician. Never give anything by mouth to an unconscious person.

Product Name: TRAMFLOC® 1000-1019

SECTIONS 5 - FIRE FIGHTING MEASURES

FLASHPOINT: NA; FLAMMABILITY: NA; AUTO FLAMMABILITY: NA

EXPLOSION HAZARD: Dust in sufficient concentration can result in an explosive-mixture in air. EXPLOSIVE LIMITS: LOWER: NA; UPPER: NA

EXTINGUISHING-MEDIA: Carbon dioxide, dry chemical or foam to extinguish.

EXTINGUISHING-MEDIA WHICH MUST NOT BE USED: Care must be taken when using water, as spilled product is extremely slippery when wet.

SPECIAL EXPOSURE HAZARDS IN A FIRE: In fire situation, may liberate oxides of nitrogen or carbon and hydrogen chloride. Keep containers cool by spraying with water if exposed to fire.

SPECIAL PROTECTIVE EQUIPMENT FOR A FIRE: Self-contained breathing apparatus should be worn.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS: Avoid runoff into storm sewers and ditches which lead to waterways.

METHODS FOR CLEANUP: Product becomes slippery and difficult to handle when wet; spills are best handled while dry. Sweep up and collect dry product. Absorb wet product with vermiculite or other inert material then water wash area to waste treatment.

OTHER INSTRUCTIONS: Dispose of solidified material in accordance with federal, state, local or other applicable laws and regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin and clothing.

STORAGE: Avoid extremes of temperature: wet damp or humid conditions.

SECTION 8 - EXPOSURE CONTROLS and PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation is recommended. Eyewash and safety shower stations are recommended.

EXPOSURE GUIDELINES: No MAC values have been established.

PERSONAL PROTECTIVE EQUIPMENT: See below

RESPIRATORY PROTECTION: Use NIOSH approved dust respirator (ANSI Z 88.1980) or equivalent, as required to control exposure.

HAND PROTECTION: Wear impervious gloves. EYE PROTECTION: Wear chemical splash goggles or face mask.

SKIN PROTECTION: If clothing is contaminated, wash skin and launder clothing.

NOTE: Before eating, drinking or smoking, wash face and hands thoroughly with soap and water.

Product Name: TRAMFLOC® 1000-1019

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, COLOR AND ODOR: White free flowing dry powder with little or no odor. Or colored.

pH as is: NA; **MELTING POINT/RANGE:** >400° F; **BULK DENSITY:** 0.4-0.7

WATER SOLUBILITY: Insoluble. **PARTICLE SIZE, mm:** Tramfloc 1001, 0-1; Tramfloc 1002, 2-4; Tramfloc 1009, 1-2.

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable. **CONDITIONS TO AVOID:** None.

MATERIALS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH. The OSHA 8-hour TWA for total dust is 15 mg/M³ (5 mg/M³ for the respirable fraction). The ACGIH TLV-TWA is 10 mg/m³. Product as produced is generally regarded as safe for recovered and reused products used in human and animal feed formulation components.

IRRITANCY AND CORROSIVENESS: May be slightly irritating to skin and eyes on prolonged exposure. No evidence of corrosiveness.

SENSITIZATION: None known.

SUBACUTE, SUBCHRONIC AND PROLONGED TOXICITY: No information available.

EMPIRICAL DATA ON EFFECTS ON HUMANS: Considered non-toxic in normal use.

SECTION 12 - ECOLOGICAL INFORMATION: NA

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Recycle if possible. If not, absorb spilled material on inert absorbent and dispose of solidified material in accordance with federal, state, local or other applicable laws and regulations.

SECTION 14 - TRANSPORTATION INFORMATION: Non-Hazardous, Non-Regulated

SECTION 15 - REGULATORY INFORMATION

U. S FEDERAL REGULATIONS: CERCLA-SARA Hazard Category: No SARA Section 313 components exist in this product.

INVENTORY INFORMATION:

EEC EINECS: All components of this product are included on the European Inventory of Existing Chemical

Product Name: TRAMFLOC® 1000-1019

Substances (EINECS) in compliance with Council Directive 67/548/EEC as amended.

US TSCA: This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C.

CANADA DSL: Components of this product have been reported to Environment Canada in accordance with subsection 25 of the Canadian Environmental Protection Act and are included on the Domestic Substances List.

SECTION 16 - OTHER INFORMATION

HMIS RATINGS: HEALTH: 1; FLAMMABILITY: 1; REACTIVITY: 0; PROTECTION: F

The information contained herein is to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, Tramfloc, Inc. makes no guarantee for results obtained, and assumes no responsibility for damages incurred by use of this product. It is the responsibility of the user to comply with all federal, state, and local laws and regulations.

Name	CAS	Proportion
Polyvinyl alcohol	9002-89-5	99.4 %
Propylene glycol	57-55-6	0.5 %
Sodium benzoate	532-32-1	0.05 %
Pigment:		0.05 %
Green	Yellow	CI no #21108 75%
	Blue	CI no #74160 25%
Orange	Red	CI no #15850 80%
	Yellow	CI no #21108 20%
Blue		CI no #74160 100%
Red		CI no #15850 100%
Yellow		CI no #21108 100%
Purple	Blue	CI no #74160 80%
	Red	CI no #15850 20%
Pink		CI no #45410 100%