

SAFETY DATA SHEET

Polymer Bouncing Ball Crystals

Issue Date: 3 February 2019

MSDS# 1700-7

IDENTIFICATION OF MATERIAL & SUPPLIER

Product Name Polymer Bouncing Ball Crystals
Chemical Family Polyvinyl alcohol mixture
Emergency Telephone +61 (0)405705009 or Poison Information 13 11 26
Company Prof Bunsen Science
111 Forsyth Road, Truganina VIC 3029 Australia
Telephone: +61 (0)405705009
Other names Bouncing Ball Crystals

HAZARDS IDENTIFICATION

Hazard Non hazardous substance
Classification Non-dangerous goods
This product conforms to International Toy Safety Standard, ASTM F963-11

COMPOSITION / INFORMATION OF INGREDIENTS

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%

FIRST AID

Not expected to present any significant symptoms or risk effects under anticipated conditions of normal use.

Skin irritation No adverse health hazard risks presented
Eye contact No irritation expected but flush eyes with running water
Seek medical attention if any irritation persists
Inhalation No adverse effects expected
Ingestion No adverse effects expected with swallowing of small quantity. If larger amounts are ingested, seek medical attention.

FIRE FIGHTING MEASURES

Flash Point N/A
Extinguishing Media Use water, carbon dioxide, foam or dry chemicals
Special precautions None
Special Protective Full protective wear and equipment

Equipment May emit carbon monoxide. Use protective clothing

HANDLING AND STORAGE

Storage Store in a well-ventilated dry place, away from sources of ignition. Will harden with moisture.
Handling No special requirements. Sweep up any spills.

PERSONAL PROTECTION

Respiratory Protection None required
Protective Gloves None required
Eye Protection None required
Skin/Body Protection None required

PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour Coloured powder
Decomposition 200 °C
pH 5 to 7 (4% aqueous solution)
Melting Point N/A
Flash Point N/A
Density 1.26 to 1.31 kg/m³

STABILITY

Chemical stability Stable
Polymerisation Will occur with water
Conditions to avoid High temperatures above 200 °C may cause decomposition and release of carbon monoxide, carbon dioxide, acetone, acetic aldehyde
Incompatible Material Strong oxidising agents

TOXICOLOGICAL INFORMATION

Inhalation Non toxic by inhalation
Dermal Non toxic
Oral N/A

ECOLOGICAL

Considered non toxic to the aquatic environment

DISPOSAL

Dispose of polymerised balls and powder in land fill
Do not wash powder down drain as it may block drains

REGULATORY

Poisons Schedule Not regulated
Hazard Category Non hazardous / Non hazardous wast

IMPORTANT ADVICE: This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact EduScience Pty Ltd / Prof Bunsen Science at phone numbers above.

End of SDS