Safety Data Sheet

FloodSmart Flood Pillow

Product Identifiers

Product Name:	FloodSmart Flood Pillow	**Product Number:** FSP3060

Recommended use of the chemical and restriction on use

- Designed to absorb water, create a gel, expand and form a barrier.

Company Details

Stratex Pty Ltd
27 Derwent Park Rd
Moonah TAS 7009
Tel: 1300 991 180
Email: info@stratex.com.au
Website: www.stratex.com.au

Emergency Telephone Number

Emergency Tel No.: 1300 302 428

1. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification: Not a dangerous substance according to GHS

Label elements

Pictograms:

Signal word: Warning

Hazard Statement(s):

- **H317:** May cause an allergic skin irritation
- **H320:** Causes eye irritation
- **H335** May cause respiratory irritation

Precautionary statement(s):

- **P261:** Avoid breathing dust/fume/gas/mist/vapours/spray.
- **P281:** Use personal protective equipment as required
- **P305+P351+P338:** - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do. Continue rinsing.
- **P302+352** IF ON SKIN: Wash with plenty of soap and water.
- **P333+313:** If skin irritation or rash occurs: Get medical advice
- **P501:** Dispose of contents/container in accordance with local regulations.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS-No.	Content
Polypropylene Bag	9003-07-0	>99%
Black Pigment	Not Applicable	<.3%
Sodium Polyacrylate (inner material)	9003-04-7	100%

Sodium Polyacrylate is a white, granular odourless polymer that yields a gel like material with the addition of water. It is insoluble in water and causes extremely slippery conditions when wet. Although not regulated as a hazardous material, the respirable dust is a potential respiratory tract irritant. The manufacturer recommends an eight hour exposure limit of 0.5 mg/m³.

Ingestion
Not a probable route of exposure. Tests have shown that polyacrylate absorbents are non-toxic if ingested. However, as in any instance of non-food consumption, see medical attention in the event of any adverse symptoms.

Inhalation
Exposure to respirable dust may cause respiratory tract and ling irritation and may aggravate existing respiratory conditions.

Skin contact
Exposure to the dust, such as in manufacturing, may aggravate existing skin conditions due to drying effect.

Eye contact
Dust may cause burning, drying, itching and other discomfort, resulting in redness of eyes.

Other information
No other information

3. FIRST AID MEASURES

Ingestion
Non-toxic by ingestion. However, if adverse symptoms appear, seek medical attention.

Inhalation
If inhaled, move to a source of fresh air. Seek medical attention if symptoms persist.

Skin contact
Remove polyacrylate absorbent dust from skin using soap and water.

Eye contact
Immediately flush eyes with plenty of water for at least 15mins.

Other information
First Aid: Sterile eyewash for treatment of nuisance dusts.
Advice to Doctor: Treat systematically

4. FIREFIGHTING MEASURES

Suitable extinguishing equipment

- Dry Chemical, foam carbon dioxide, water fog. Extremely slippery conditions are created if spilled product comes in contact with water.

Fire Fighting Equipment

- Firefighters should wear full protective clothing, self-contained breathing apparatus.

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Further information
General Fire hazards: When heated above melting point – *outer fabric:* carbon monoxide, carbon dioxide, acrolein, ketones and other unidentified organic compounds.

5. ACCIDENTAL RELEASE MEASURES

Sweep or vacuum material when possible and shovel into a waste container. Avoid respirable dust inhalation during clean-up. Wear appropriate respiratory protection.

6. HANDLING AND STORAGE

Precautions for safe handling: Handle as an eye and respiratory tract irritant.
Storage: Store in a dry closed container or within sealed packaging.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment:
Eye and face protection: Safety glasses with eye shields are recommended as a good practice for industrial safety.
Skin protection: Use impervious gloves when handling the product in the manufacturing process.
Body protection: Wear appropriate body covering.
Respiratory protection: When handling Sodium Polyacrylate directly wear respirator with high efficiency filter if particulate concentrations in the work area exceed 0.05 mg/m^3 over eight hour period.

8. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance	White granular powder
Odour	Virtually odour free
Physical State	Solid
Boiling Point (C)	Not applicable
Melting Point	>390F
Solubility in water	Insoluble
Evaporation rate	<1.0
Vapour Pressure (mm Hg)	<10 mm Hg
Density	Not applicable
Spec. Gravity	0.4-0.7 g/ml

10. STABILITY AND REACTIVITY

General: This is a stable material
Incompatibility: Strong oxidising bases may degrade outer fabric.
Hazardous Decomposition: None established. Outer fabric may emit toxic fumes when heated.
Condition to avoid: Avoid open flame and sparks.
Hazardous Polymerisation: Will not occur

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11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity
A: General product information
Acute inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs.
B. Acute Toxicity-LD50 / LC50
Sodium polyacrylate)9003-04-7
LD50: Oral LD50 Rat: 40 gm/kg
Carcinogenicity
Component Carcinogenicity
No information available
Super Absorbent Polymer
Chronic Toxicity
Chronic inhalation exposure to rats for a lifetime (two years) using sodium polyacrylate that has been micronized to a respirable particle size (less than 10 microns) produced non-specific inflammation and chronic lung injury at 0.2 mg/m^3 and 0.8 mg/m^3. Also, at 0.8 mg/m^3, tumours were seen in some test animals, In the absence of chronic inflammation, tumours are not expected. There were no adverse side effects detected at 0.05 mg/m^3.
Mutagenicity
Sodium polyacrylate had no effect in mutagenicity tests.

12. ECOLOGICAL INFORMATION

Ecotoxicity
General Product Information
Composted polyacrylate absorbents are non-toxic to aquatic or terrestrial organisms at predicted exposure levels from current application rates.
Component Analysis – Ecotoxicity – Aquatic Toxicity
No information available.
Environmental Fate
Polyacrylate absorbents are relatively inert in aerobic an anerobic conditions. They are immobile in landfills and soil systems (>90% retention) with the mobile fraction showing biodegradability. They are also compatible with incineration of municipal solid waste. Incidental down-the-drain disposal of small quantities of polyacrylic absorbents will not affect the performance of waste water treatment systems.

13. DISPOSAL CONSIDERATIONS

General information
Polyacrylate absorbents are relatively inert & anaerobic conditions. They are immobile in landfills and soil systems (greater than 90% retention), with the mobile interaction showing Biodegradability. They are also compatible with incineration of municipal solid waste.

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

ADG label required: Not regulated

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HAZCHEM:	Non-hazardous material
UN number:	Not Applicable – Non-hazardous material
Proper shipping name:	Not Regulated
Transport hazard class:	Not Regulated
Packing group:	Not Applicable
Environmental hazard:	Not Applicable – Non-hazardous material
Special Precautions for users:	No special precautions
Additional information:	No Additional information

15. REGULATORY INFORMATION

Australian Inventory of Industrial Chemicals: Registered

16. OTHER INFORMATION

DISCLAIMER: the information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with federal, state or local laws.

Reviewed August, 2020