

Safety data sheet

Version: 1.3
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name: Flash-Dam (Poly(acrylic acid sodium salt))

Product Number: 2230330

Brand: MG Building Supply, LLC

CAS-No: 9003-04-7

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Water Absorption

Recommended use: Synthesis of substances

1.3. Details of the supplier of the safety data sheet

Company:

MG Building Supply, LLC

Contact address: PO Box 1331, Longview WA 98632

Telephone: 360-703-2960

E-mail address: info@flashdam.com

SECTION 2: Hazards Identification

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards for the product as supplied: Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

Other hazards: None known.

GHS label elements: Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

SECTION 3: Composition/Information on Ingredients

3.1. Substances

2-Propenoic acid, homopolymer, sodium salt

Content (W/W): 95 % - < 100 %

3.2. Mixtures

Chemical nature

polyacrylic acid, sodium salt, crosslinked

Hazardous ingredients (GHS)

No hazardous ingredients

CAS Number: 9003-04-7

SECTION 4: First-Aid Measures

If inhaled:	After inhalation:	fresh air.
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In case of skin contact:	In case of skin contact:	Take off immediately all contaminated clothing. Rinse skin with water/ shower.
In case of eye contact :	After eye contact:	rinse out with plenty of water. Remove contact lenses.
If swallowed :	After swallowing:	make victim drink water (two glasses at most). Consult doctor if feeling unwell.
Most important symptoms and effects, both acute and delayed :	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 Protection of first-aiders:	For personal protection see section 8. Notes to physician : No data available

SECTION 5: Fire-Fighting Measures

Suitable extinguishing media:	Water Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media :	For this substance/mixture no limitations of extinguishing agents are given.
Specific hazards during fire fighting :	Combustible. Development of

	hazardous combustion gases or vapours possible in the event of fire.
Hazardous combustion : MG Building Supply: 2230330	Carbon oxides
Sodium oxides Specific extinguishing methods :	No data available
Further information :	Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.
Special protective equipment for fire fighters :	In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

Forms slippery surfaces with water.

In the event of fire, wear self-contained breathing apparatus.	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: For personal protection see section 8.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

SECTION 7: Handling and Storage

For precautions see section 2.2.

7.1. Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice.

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid the formation and deposition of dust.

Protection against fire and explosion: The granulate is not capable of a dust explosion. The product contains combustible polymers. The product is not easily combustible and also not self combustible. Accumulation of fine dust may entail the risk of a dust explosion in the presence of air. Avoid whirling up the material/product because of the danger of dust explosion.

Dust explosion class: Dust explosion class 1 (Kst-value >0 up to 200 bar m s-1).

7.2. Conditions for safe storage, including any incompatibilities Further information on storage conditions: Keep container dry because product takes up the humidity of air. The packed product is not damaged by low temperatures or by frost. The packed product will not be damaged by high temperatures. **7.3. Specific end use(s)** For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

MG Building Supply, LLC- 2230330

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

8.2. Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with high efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P3 or FFP3).

Hand protection:

nitrile coated cotton gloves (e.g. EN 388, 374)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

No body protection required if used for intended purpose and satisfying generally accepted industrial hygiene rules.

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form: granules

Colour: white to off-white

Odour: almost odourless

Odour threshold:

No applicable information available.

pH value: approx. 6.0

glass transition temperature: approx. 140 °C

(approx. 101.3 hPa)

The substance / product decomposes.

Evaporation rate:

The product is a non-volatile solid.

Flammability: not flammable
Lower explosion limit: 100 g/m³
Ignition temperature:
not determined
Vapour pressure:
not applicable

Relative density:
No data available.
Solubility in water: insoluble, only capable of swelling
Partitioning coefficient n-octanol/water (log K_{ow}):
not applicable
Self ignition: No data available.

Thermal decomposition: No decomposition if used as directed.
Viscosity, dynamic:
not applicable, the product is a solid
Viscosity, kinematic:
not applicable, the product is a solid
Explosion hazard: Product is not explosive, however a
dust explosion could result from an
air / dust mixture.
Fire promoting properties: Based on its structural properties
the product is not classified as
oxidizing.

9.2. Other information

Minimum ignition energy: > 1 J
Bulk density: approx. 700 kg/m³
Hygroscopy: hygroscopic

SECTION 10: Stability and Reactivity

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions

The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

10.4. Conditions to avoid

Avoid humidity.

10.5. Incompatible materials

Substances to avoid:
water

10.6. Hazardous decomposition products

Thermal decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated. Page: 7/13

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Irritation

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data:

Skin corrosion/irritation

rabbit: non-irritant (OECD Guideline 404)

Serious eye damage/irritation

rabbit: non-irritant (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:

No sensitizing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data:

No sensitizing effect.

Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

No data available.

Aspiration hazard

No data available.

Other relevant toxicity information

The statement was derived from products of similar composition.

SECTION 12: Ecological Information

12.1. Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Toxicity to fish:

LC50 (96 h) > 100 mg/l, *Brachydanio rerio* (OECD Guideline 203, static)

Aquatic invertebrates:

EC50 (48 h) > 100 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

Aquatic plants:

EC50 (72 h) > 100 mg/l, *Desmodemus subspicatus* (OECD Guideline 201)

Nominal concentration.

Microorganisms/Effect on activated sludge:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Soil living organisms:

LC50 > 1,000 mg/kg, *Eisenia foetida* (OECD Guideline 207)

12.2. Persistence and degradability

Assessment biodegradation and elimination (H2O):

The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

The product will not be readily bioavailable due to its consistency and insolubility in water.

12.4. Mobility in soil

Assessment transport between environmental compartments:

Volatility: The substance will not evaporate into the atmosphere from the water surface.

Adsorption in soil: Adsorption to solid soil phase is not expected.

12.5. Results of PBT and vPvB assessment

According to Annex XIV of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Self classification

12.6. Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

12.7. Additional information

Add. remarks environm. fate & pathway:

Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

Other ecotoxicological advice:

Do not release untreated into natural waters. The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

A waste code in accordance with the European waste catalog (EWC) cannot be specified, due to dependence on the usage.

Observe national and local legal requirements.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

SECTION 14: Transport Information

Land transport

ADR

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user None known

RID

None known

Not classified as a dangerous good

Not classified as a dangerous good under UN number or ID number:
under UN number or ID number: Not applicable UN proper shipping
Not applicable UN proper shipping name: Not applicable Transport
name: Not applicable Transport hazard class(es): Not applicable
hazard class(es): Not applicable Packing group: Not applicable
Packing group: Not applicable Environmental hazards: Not
Environmental hazards: Not applicable
applicable Special precautions for transport regulations transport
user

Inland waterway transport ADN

regulations

precautions for
user:
None known

Special

Transport in inland waterway vessel
Not evaluated

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user

under UN number or ID number:
Not applicable UN proper shipping
name: Not applicable Transport
hazard class(es): Not applicable
Packing group: Not applicable
Environmental hazards: Not
applicable
transport regulations

Air transport

IATA/ICAO
None known

Not classified as a dangerous good

precautions for
user
None known

Special

14.1. UN number or ID number

See corresponding entries for "UN number or ID number" for the respective regulations in the tables above.

14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):
Listed in above regulation: no

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

15.2. Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

SECTION 16: Other Information

Any other intended applications should be discussed with the manufacturer.

Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements.

Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.