

# Safety Data Sheet

Version 1.1

DairyFlox® 325

Date Revised: 04:06:2020

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## 1. Identification

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### DairyFlox® 325

#### Manufacturer / Supplier:

Science Developments Pty Ltd (ABN 96 001 815 363)  
Unit 1, 8 Turbo Road  
Kings Park NSW 2148 AUSTRALIA  
+61 (02) 9622 5185  
projects@scidev.com.au

#### Emergency Information (24 h)

**Within Australia:** 1800 033 111 (Toll Free)

**Outside Australia:** +61 3 9663 2130

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## 2. Hazard(s) Identification

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This material is hazardous according to health criteria of Safe Work Australia.



#### Signal Word

Warning

#### Hazard Classifications

Serious Eye Damage/Irritation - Category 2A Sensitisation - Skin - Category 1A

#### Hazard Statements

H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

#### Prevention Precautionary Statements

P102 Keep out of reach of children.  
P103 Read label before use.  
P261 Avoid breathing dust, fume, gas, mist, vapours or spray.  
P264 Wash hands, face and all exposed skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

#### Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

# Safety Data Sheet

Version 1.1

 DairyFlo<sup>®</sup> 325

Date Revised: 04:06:2020

P321	Specific treatment (see product label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.

## Storage Precautionary Statement

Not allocated

## Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

## Poison Schedule:

DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

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## 3. Composition and Information on Ingredients

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CHEMICAL ENTITY	CAS NO	PROPORTION
Water	7732-18-5	Balance
polyaluminium chloride	1327-41-9	50-90%
polydiallyldimethylammonium chloride	26062-79-3	10-30%
polyacrylamide	9003-05-8	<5%
Citric Acid	77-92-9	<5%
Ingredients determined to be Non-Hazardous		Balance

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## 4. First Aid Measures

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If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** Effects may be delayed. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

# Safety Data Sheet

Version 1.1

DairyFlo<sup>®</sup> 325

Date Revised: 04:06:2020

**Notes to physician:** Treat symptomatically. Effects may be delayed.

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## 5. Fire Fighting Measures

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**Hazchem Code:** Not applicable.

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**Specific hazards:** Non-combustible material.

**Fire fighting further advice:** Not applicable.

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## 6. Accidental Release Measures

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### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### LARGE SPILLS

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

**Dangerous Goods - Initial Emergency Response Guide No:** Not applicable

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## 7. Handling and Storage

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**Handling:** Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

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## 8. Exposure Controls and Personal Protection

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**National occupational exposure limits:** No value assigned for this specific material by Safe Work Australia.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

# Safety Data Sheet

Version 1.1

DairyFlo<sup>®</sup> 325

Date Revised: 04:06:2020

**National occupational exposure limits:** Natural ventilation should be adequate under normal use conditions.

**Personal Protection Equipment:** Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

**Hygiene measures:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

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## 9. Physical and Chemical Properties

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<b>Physical state:</b>	Liquid
<b>Colour:</b>	Clear to cloudy white
<b>Odour:</b>	Minimal
<b>Melting point:</b>	Not applicable
<b>Vapour Pressure:</b>	Not available
<b>Specific gravity:</b>	1.05 - 1.25 @20° C
<b>Flash point:</b>	>120 °C
<b>Vapour density:</b>	Not available
<b>pH:</b>	Approx. 3.0 to 8.0
<b>Water solubility:</b>	Completely soluble

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## 10. Stability and Reactivity

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**Chemical stability:** The product is stable under normal ambient conditions

**Possibility of hazardous reactions:** No hazardous reactions expected.

**Conditions to avoid:** Avoid temperature extremes, especially freezing conditions.

**Incompatible materials:** No incompatible materials expected.

**Hazardous decomposition products:** No decomposition expected under normal storage conditions.

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## 11. Toxicological Information

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No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Material may be an irritant to mucous membranes and respiratory tract.

**Skin contact:** Contact with skin may result in irritation. A skin sensitizer. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

## Safety Data Sheet

Version 1.1

DairyFlo<sup>®</sup> 325

Date Revised: 04:06:2020

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Eye contact:** An eye irritant.

### Acute toxicity

**Inhalation:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients):

>20 mg/L

**Skin contact:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

**Ingestion:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients):

>2,000 mg/Kg bw

**Corrosion/Irritancy:** Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes). Skin: this material has been classified as not corrosive or irritating to skin.

**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as a Category 1A Hazard (skin sensitiser).

**Aspiration hazard:** This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

### Chronic Toxicity

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):** This material has been classified as non-hazardous

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## 12. Ecological Information

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**Avoid contaminating waterways.**

**Acute aquatic hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4.

# Safety Data Sheet

Version 1.1

DairyFlo<sup>®</sup> 325

Date Revised: 04:06:2020

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

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## 12. Disposal Considerations

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Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

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## 13. Transport Information

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### ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

### MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

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## 14. Regulatory Information

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**This material is not subject to the following international agreements:**

Montreal Protocol (Ozone depleting substances)

The Stockholm Convention (Persistent Organic Pollutants) The Rotterdam Convention (Prior Informed Consent) Basel Convention (Hazardous Waste)

International Convention for the Prevention of Pollution from Ships (MARPOL)

# Safety Data Sheet

Version 1.1

DairyFlo<sup>®</sup> 325

Date Revised: 04:06:2020

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## 15. Other Information

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This SDS summarises to our best knowledge at the date of this issue the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Science Developments Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

Safety Data Sheets are updated frequently. Please ensure you have a current copy. If clarification or further information is needed, the user should contact Science Developments Pty Ltd as per the contact details on Page 1.