

# Fluency Agent

Date of Issue: 6 October 2014

Spec No. 102000017992

## 1. Identification of the Substance/Mixture and Supplier.

Product name:	Fluency Agent
Application:	Seed flow additive
Company:	Bayer New Zealand Limited, 3 Argus Place, Hillcrest, Auckland 0627, New Zealand.
Telephone:	0800 428 246
Facsimile:	(09) 441 8645
Emergency telephone:	0800 734 607 Orica SH&E Shared services (24hr)

## 2. Hazards Identification.

Hazard classification:	Non-hazardous, based on available hazard information*  *Classification in accordance with regulation HCS 29CFR §1910.1200 This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.  Other hazards: Dust may form explosive mixture in air.
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## 3. Composition/Information on Ingredients.

### Chemical nature

Component	CAS No.	Average % by weight
Ethene, homopolymer	9002-88-4	80.00

## 4. First Aid Measures.

General advice:	When possible, have the product container or label with you when calling a poison control centre or doctor or going for treatment.
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Inhalation:	Move to fresh air. Keep patient warm and at rest. If person is not breathing, give artificial respiration. Get medical attention.
Skin contact:	The material is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. Wash off thoroughly with plenty water. Wash contaminated clothing before reuse.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a doctor or poison control centre immediately.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Call a doctor or poison control centre immediately.
Symptoms:	To date no symptoms are known.
Notes to physician: Treatment	Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.
Further information:	Contact the National Poisons and Hazardous Chemicals Information centre in Dunedin, PO Box 913, Dunedin. Phone 0800 POISON (0800 764 766).
<b>5. Fire-Fighting Measures.</b>	
Suitable extinguishing media:	Water spray, foam, dry chemical or carbon dioxide (CO <sub>2</sub> ).
Unsuitable:	High volume water jet.
Special hazards arising from the substance or mixture:	Hazardous decomposition products due to incomplete combustion.
Fire fighting instructions:	Evacuate personnel to safe areas. Keep out of smoke. Fight fire from upwind position. Cool containers exposed to fire with water spray.
Further information:	Contain the spread of the fire-fighting media. Do not allow run-off from fire-fighting to enter drains or water courses.
Flash point:	341 – 365 °C
Autoignition temperature:	330 – 410 °C

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**6. Accidental Release Measures.**

Personal precautions:	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.
Environmental precautions:	Do not allow to get into surface water, drains and ground water.
Methods for cleaning up:	Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.
Additional advice:	Material can create slippery conditions.
Reference to other sections:	Information regarding safe handling: see section 7. Information regarding personal protective equipment: see section 8. Information regarding waste disposal, see section 13.

**7. Handling and Storage.**

Handling:	<p>Advice on safe handling Use only in area provided with appropriate exhaust ventilation. Handle and open container in a manner as to prevent spillage.</p> <p>Hygiene measures Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove Personal Protective Equipment (PPE) immediately after handling this product. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.</p>
Storage:	<p>Requirements for storage areas and containers Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only.</p>

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**8. Exposure Control/Personal Protection.****Components with workplace control parameters**

Ethene, homopolymer (particulate)	9002-88-4	50 µg/m <sup>3</sup> (ST ESL)	12 2010	TX ESL
Ethene, homopolymer (particulate)	9002-88-4	50 µg/m <sup>3</sup> (AN ESL)	12 2010	TX ESL

**Personal protect equipment:**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection:

A respiratory protection programme that meets the country requirements must be followed whenever workplace conditions warrant respirator use. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection:

Wear protective gloves. Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection:

Wear safety glasses with side-shields.

Skin and body protection:

Wear long-sleeved shirt and long pants and shoes plus socks.

**9. Physical and Chemical Properties.****Appearance**

Form: powder  
 Colour: white  
 Odour: slight characteristic

**Safety Data:**

pH No data available

Vapour pressure No data available

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Specific gravity	0.96 – 0.98
Evaporation rate	No data available
Boiling point	No data available
Melting / Freezing point	105 – 135 °C
Water solubility	Insoluble
Minimum ignition energy	< 3 mJ
Dust explosion Kst number	204 barm/s
Decomposition temperature	> 300 °C
Partition coefficient: n-octanol/water	No data available
Viscosity	No data available
Flash point	341 – 365 °C
Autoignition temperature	330 – 410 °C
Dust explosion class	St2 (strongly explosible)
Other information:	Further safety related physical-chemical data are not known.
<b>10. Stability and Reactivity.</b>	
<u>Reactivity</u> Thermal decomposition:	> 300 °C
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.

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Conditions to avoid:	Elevated temperatures.
Incompatible materials:	No data available.
Hazardous decomposition products:	Thermal decomposition can lead to release of: Irritant gases/vapours Carbon oxides.
<b>11. Toxicological Information.</b>	
Exposure routes:	Inhalation, Skin contact
Acute oral toxicity:	LD50 (rat) > 2,000 mg/kg
Acute dermal toxicity:	No data available
Acute inhalation toxicity:	No data available
Skin irritation:	No data available
Eye irritation:	No data available
Sensitization:	No data available
Chronic toxicity:	None known
Mutagenic effects:	None known
Carcinogenicity:	None known
Reproductive toxicity:	None known
Developmental toxicity:	None known
Further information:	No further toxicological information is available.

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**12. Ecological Information.**

General:	The substance is a polymer and is not expected to produce toxic effects.  No data are available on the product itself. Toxicity is expected to be low based on insolubility in water.
Environmental precautions:	Do not allow to get into surface water, drains and ground water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label.

**13. Disposal Considerations.**

Product Disposal:	Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.
Container Disposal:	Triple rinse containers. Recycle if possible. If allowed under local authority, burn if circumstances, especially wind direction permit, otherwise crush and bury in an approved local authority facility. Do not use container for any other purpose.

**14. Transport Information.**

	According to international transport regulations this material is not classified as dangerous goods / hazardous material.
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**15. Regulatory Information.**

HSNO Approval Number:	N/A – non-hazardous
HSNO Controls:	N/A
ACVM Registration:	N/A – does not require ACVM registration
ACVM Controls:	N/A

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**16. Other Information.**

Not applicable

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The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.