SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	**Sazolene 39g**
Chemical Name:	Slow release nitrogen fertilizer, based on methylene-urea Urea formaldehyde (according to 2003/2003 EC Regulation)
Product Use:	Slow release nitrogen fertilizer
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	HortFertplus
Address:	7C Vega Place Rosedale, Auckland, 0632
Telephone:	+64 9 478 5585
Fax Number:	+64 9 478 5586
Emergency Telephone:	**0800 764 766 (National Poison Centre)**
Date of SDS Preparation:	1 June 2017

Section 2. Hazards Identification

This substance is NOT hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Non-hazardous ingredients	To Bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Immediately rinse mouth with water several times. If ingestion has occurred, drink plenty of water or milk and induce vomiting; Request the assistance of a doctor
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult. In case of lung irritation, first treatment with dexametason aerosol (spray).

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable and does not burn.
Hazards from combustion products	When heated the product may decompose and emit toxic fumes of NOx , CO, CO_2 and ammonia. Avoid inhaling the fumes.
Suitable Extinguishing media	The fires can be extinguished by means of spray water, powder extinguishers, carbon dioxide, foam. Not suitable: High volume water jet.
Precautions for firefighters and special protective clothing	The involved staff must use full face masks, breathing apparatus and wear suitable clothes. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
HAZCHEM CODE	**None Allocated**

Section 6. Accidental Release Measures

In case of immediate intervention, follow the indications and instructions given by the responsible personnel. Ventilate the spreading area, extinguishing eventual open flames and isolating ignition sources especially if Sazolene 39G is in powder form. If the spill occurs in a confined place, provide yourselves with breathing apparatus. Prevent the contact with skin and eyes by wearing suitable clothes. Protect the respiratory tract (see Section 8.

Contain the leakage with physical barriers. Collect spillage and dry clean; water may be used only after removing all solid and clean the area.

Prevent the solid from entering sewers and surface waters. Retain and dispose according to Local Regulations.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Assure good ventilation in areas of storage and handling.
- The loading, unloading and handling operations must be carried out by skilled personnel.
- Avoid contact with skin and eyes. Protect the respiratory tract, skin and eyes by introducing appropriate personal protective equipment.
- In case of leakage, ventilate the room and contain spill by physical.

Precautions for Storage:

- SAZOLENE 39G does not have any storage problems
- Store in their original packages and in dry locations at moderate temperature,
- The product can be conserved without any alteration of their properties for at least 3 years.
- For an optimal conservation, the temperature should be kept below 30 °C.
- Store away from incompatible materials listed in Section 10.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

	TWA		STEL	
Substance	**ppm**	**mg/m^3**	**ppm**	**mg/m^3**

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA*).The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working

day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls

SAZOLENE 39G is a solid product and may be in granules or in powder form and must be handled with care. The dust that are released during handling and any emission must be directed into appropriate systems to capture and breakdown.
The local storage and handling area should be well ventilated; provide adequate localized aspirations at points of possible emission of the substance.

Personal Protection Equipment

Eyes	Wear splash-proof goggles or face shield in compliance with EN 166 norm. Avoid contact lens.
Hands and Skin	Wear Protective gloves as below: Butyl rubber, thickness 0,7 mm nitrile rubber (N BR), thickness 0,4 mm Wear protective clothing.
Respiratory	If the dust concentration in the environment exceeds the TLV, wear half or full face masks with filters for dust (type FFP2 = white colour) in compliance with EN 149:2001+A1 2009 norm. If the dust concentration in air exceeds the one foreseen by the filter or the oxygen concentration is lower than 17%, use breathing apparatus.

Section 9 Physical and Chemical Properties

Appearance	White or coloured solid
Odour	odourless
Odour Threshold	Not available
pH	4.0 + 7.0
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	The product is not flammable.
Upper and Lower Explosive Limits	LEL 560 g/m3; particles < 105 pm
Vapour Pressure	Not available
Density	Not available
Bulk Density	0,70 + 0,85 kg/dm^3
Solubility	Insoluble
Partition Coefficient:	Not available
Auto-ignition Temperature	560 °C
Decomposition Temperature	decomposes at temperatures higher than 250 °C
Kinematic Viscosity	Not available
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	None known.
Incompatible Materials	None known.
Hazardous Decomposition Products	When heated the product may decompose and emit toxic fumes of NOx , CO, CO_2 and ammonia. Avoid inhaling the fumes.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.
SAZOLENE 39G is a slow release nitrogen fertilizer, use according to good working practices, avoiding release of the product in water courses.

Persistence and degradability	SAZOLENE 39G is gradually degrading when dispersed in the ground, releasing products which are metabolized by bacteria.
Bioaccumulation	No data available.
Mobility in Soil	No data available.

Section 13. Disposal Considerations

Disposal Method: The disposal of SAZOLENE 39G must occur by an authorized place and in compliance with the current laws. However SAZOLENE 39G is a fertilizer and if it is not contaminated by hazardous substances, it can be recycled in other fertilizers.
Precautions: None known.
Disposal methods to avoid: None known

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

This substance is NOT hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

Section 16 Other Information

Glossary

EC_{50}	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC_{50}	Lethal concentration that will kill 50% of the test organisms

	inhaling or ingesting it.
LD_{50}	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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