

MATERIAL SAFETY DATA SHEET

STATEMENT OF HAZARDOUS NATURE:

Not classified as hazardous according to the criteria of NOHSC

COMPANY DETAILS:

Syngenta Crop Protection Pty Limited
ABN 33 002 933 717
Level 1, 2-4 Lyon Park Road
NORTH RYDE, NSW 2113

Telephone No.: (02) 8876 8444
24 Hours Emergency No.: 1 800 033 111

IDENTIFICATION

PRODUCT NAME: NACRET™ Green Polymer-Binding Seed Coating

Formulation type:	suspension concentrate	Dangerous Goods Class/	
Active Ingredient:	none	and Subsidiary Risk:	none allocated
Product Code No.:	A-9082C	Hazchem Code:	none allocated
Chemical type:	polymer resin	Packing Group:	none allocated
UN Number:	none allocated	Poisons Schedule:	none allocated

USE: Adjuvant to enhance the appearance, improve seed flow, reduce dust and prevent the loss of seed treatments during packing, transportation and drilling of seeds.

PHYSICAL DESCRIPTION/PROPERTIES

Appearance:	Green opaque pearly liquid	Specific gravity (H₂O=1)	1.22 (20°C)
Odour:	Non-specific	Flash Point:	> 100°C
Boiling Point:	>100°C	Flammability:	Non-flammable
Vapour pressure:	<0.04 bar at 20°C	Behaviour in water:	Dispersible

OTHER PROPERTIES

Viscosity:	30@ 67mPa	Combustibility:	Non-combustible
pH (5% aqueous)	7 - 8	Auto-flammability:	Not auto-flammable
Corrosiveness:	Non-corrosive	Explosivity:	Not explosive

INGREDIENTS -

	CAS No.	Content (% w/v)
Mica and Anatase	12001-26-2 & 1317-70-0	10-30
Polyethylene glycol	25322-68-3	< 10
Sulfated polyarylphenol ethoxylate	119432-41-6	< 10
Sodium formaldehyde naphthalene condensate		< 10
Green pigment		10-30
Silicone emulsion		< 10
Heteropolysaccharide		< 10
Benzthiazoline		< 10
Water		30-60

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE

Toxicity - This product is slightly hazardous (WHO Hazard Class III)

Swallowed: **LOW TOXICITY**
Tests on rats indicate a low toxicity following single doses of product.
(LD₅₀ >15000 mg/kg)

Dermal absorption: **LOW TOXICITY**
Tests on rats indicate a low toxicity following single doses of product.
(LD₅₀ >2000 mg/kg)

Inhaled: Not available

Irritation - (based on tests using the product on rabbits)

Eye: **NON IRRITANT**

Skin: **NON IRRITANT**

Sensitisation - (based on tests using the product on Guinea pigs)

Skin: **NOT A SENSITISER**

Poisoning Symptoms: No cases of human poisoning due to this product are on record. Poisoning symptoms in laboratory rats were non-specific.

CHRONIC (Active Ingredient)

Not likely to cause long term health effects.

FIRST AID

In case of poisoning by any exposure route contact a doctor or Poisons Information Centre. Phone 131 126.

Swallowed: Induce vomiting preferably using Ipecac Syrup APF.

Eye: Avoid contact with eyes. If product gets in eyes wash it out immediately with clean water.

Skin: Avoid contact with skin. If skin contact occurs remove contaminated clothing and wash affected areas thoroughly with soap and water.

Inhaled: Move person to fresh air and keep at rest until recovered.

ADVICE TO DOCTOR

No specific antidote is available. If poisoning is suspected apply symptomatic therapy.

PRECAUTIONS FOR USE

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

EXPOSURE STANDARDS

No exposure standards have been set for the components of this product.

Exposure Potential - Swallowing is unlikely under normal conditions of usage.

Re-entry Period - Not required. The product is used as a seed coating to form a solid film.

ENGINEERING CONTROLS

No special requirements. Ensure adequate ventilation if the product is used indoors..

PERSONAL PROTECTION

Avoid contact with eyes and skin. Do not inhale spray mist.

When using the product and while handling treated seeds wear:

- cotton overalls buttoned to the neck and wrist,
- washable hat and
- impervious footwear.

If product gets on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash contaminated clothing.

FLAMMABILITY

This product is NON-FLAMMABLE.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

When treated seed is stored it should be kept apart from other grain and the bags or other containers should be clearly marked to indicate the contents have been treated with NACRET. Bags which have held treated seed should not be used for any other purpose.

Store product in the closed, original container in a dry secure place away from fertilisers, seed, feed and food. Store out of direct sunlight. Keep out of reach of children, unauthorised persons and animals. Do not use treated seed for human consumption. Do not allow treated seed to contaminate seed intended for human consumption. Do not use treated seed for the production of oil.

SPILLS AND DISPOSAL

In case of spillage it is important to take all steps necessary to:

- Avoid eye and skin contact.
- Avoid contamination of waterways.

Procedure for spill:

- (1) Keep all bystanders away.
- (2) Wear full length clothing and PVC gloves.
- (3) Reposition any leaking containers so as to minimise further leakage.
- (4) Dam and absorb spill with an absorbent material (e.g. sand or soil).
- (5) Shovel the absorbed spill into drums.
- (6) Dispose of the absorbed material will depend upon the extent of the spill.
 - For quantities up to 50L of product bury in a secure landfill site.
 - For quantities greater than 50L seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established.
- (7) Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable

Dispose of empty, used containers by:

- (a) Triple rinsing or preferably pressure rinsing containers with water. Add the rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site.
- (b) If recycling, replace cap and return clean containers to recycler or designated collection point.
- (c) If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

FIRE/EXPLOSION HAZARD

This product is non-flammable. Extinguish warehouse and factory fires using fine-water spray or foam. During a fire this product may release smoke and hazardous decomposition products. Compounds formed in a fire are mainly carbon dioxide and carbon monoxide. When fighting a major fire wear an air-supplied respirator.

OTHER INFORMATION

NACRET is practically non-toxic to birds and aquatic organisms. In use the product forms a solid coating on treated seeds and will therefore not present a hazard to bees.

Note: This product is a registered agricultural chemical and must therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Federal health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

<p>CONTACT POINT: Regulatory Affairs Manager - Crop Protection - (02) 8876 8444 24 HOURS EMERGENCY CONTACT: 1 800 033 111</p>

This Material Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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