



SAFETY DATA SHEET

BOND[®]

Date of Issue: 21 October 2011

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Latex and non-ionic surfactants
Recommended use: Surfactant
Supplier: Etec Crop Solutions Ltd
PO Box 51584, Pakuranga
Auckland
Phone 0800 100 325
Emergency telephone number: 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: Harmful – 6.4A
Ecotoxic - 9.1C

Required identification Details: KEEP OUT OF REACH OF CHILDREN

HARMFUL - may cause eye irritation
ECOTOXIC – harmful to aquatic life with long-lasting effects.
Avoid contamination of any water supply with product or empty container.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Synthetic latex and alcohol ethoxylate		55
Constituents ineffective as spray adjuvant		45

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and symptoms

First-aid measures

Inhalation: Remove victim to fresh air. Apply artificial respiration if necessary.

Ingestion: If swallowed, give large quantities of water. Do not induce vomiting unless told by a Doctor. Call a physician

Skin contact: May irritate skin. Wash with soap and water. Get medical attention if irritation persists.

Eye contact: If concentrate is splashed in the eyes, flush with running water for at least 15 minutes. Get medical attention if irritation persists.

Notes to a physician:

5. FIRE-FIGHTING MEASURES

HAZCHEM Code: 2Z

Extinguishing media : Carbon dioxide (CO₂), dry chemical, Water spray, fog, water spray.

Hazardous thermal (de)composition products: May include carbon oxides

Protection of fire-fighters: Wear full protective clothing and self contained breathing apparatus. Do not breath smoke or gases.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes. Do not inhale spray. Wear long sleeved shirt, long pants ,waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

Environmental precautions: Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

Methods for cleaning up: In the case of spillage, contain and absorb spilled material with absorbent material such as sand clay or cat litter. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. To decontaminate spill area, tools and equipment, wash with a suitable solution (ie organic solvent, detergent, bleach or caustic) and add the solution to the drums of wastes already collected. Label for contents. Dispose of drummed wastes, including decontamination solution, in accordance with the requirements of Local Authorities

7. HANDLING AND STORAGE

Handling: When mixing or applying, avoid contact with skin and eyes. Wear protective clothing, gloves and goggles. Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after work.

Storage: Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs.

Packaging materials: HDPE Plastic

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Workplace exposure standards:	No exposure limit allocated.
Exposure Standards outside: The workplace:	No exposure standards have been set for this product or the active ingredients.

Engineering measures

Exposure control measures:	Ensure ventilation is adequate, generally natural ventilation is adequate.
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Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:	Do not inhale spray mist.
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Skin and body:	When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length and PVC/nitrile gloves and goggles.
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Hands:	Elbow-length and PVC/nitrile gloves
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Eyes:	Wear goggles.
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General hygiene:	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 and safety equipment.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	White
Odour:	Slight ammonia
pH:	8.0-8.2 (undiluted)
Vapour Pressure:	Not established
Boiling Point:	Not established
Freezing/melting point:	N/A
Solubility:	Emulsifies in water
Specific gravity or density:	1.01 g/ml
Flashpoint	>105°C
Octanol/water partition coefficient:	Not available
Explosion properties:	Not explosive
Oxidation properties:	Not an oxidizer

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Avoid overheating.
Materials to avoid:	Incompatible with strong oxidising substances

Hazardous decomposition Products:	May include oxides of carbon
Hazardous polymerization:	Will not occur
Specific Data:	Coagulates under low pH conditions.
Hazardous reactions :	None known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral : LD₅₀	>5000 mg/kg (rat)
Acute toxicity - Dermal : LD₅₀	>2000 mg/kg (rabbit)
Acute toxicity – Inhalation: LC₅₀	Not established
Skin irritation :	Irritating to skin
Eye irritation:	Irritating to eyes
Sensitization :	Not a sensitizer.
Chronic toxicity	No data available on this formulation.
Other information :	

12. ECOLOGICAL INFORMATION

Ecotoxicity	96 hr LC ₅₀ : 360 mg/L (Bluegill Sunfish) 96 hr LC ₅₀ : 190 mg/L (Rainbow Trout) Oral LD ₅₀ : >2250 mg/kg (Bobwhite Quail)
Bees	Not established
Soil	Not established
Bioaccumulative potential :	Not established
Birds	Not established

13. DISPOSAL CONSIDERATIONS

Methods of disposal :	Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, follow the recommendations in NZS 8409. CONTAINER DISPOSAL: Triple rinse container and add residue to spray tank. Burn if permitted and circumstances, especially wind direction allow, otherwise bury in landfill.
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14. TRANSPORT INFORMATION -International transport regulations

UN number:	Not applicable
Class or Division:	Not regulated
Classification Code:	Not a Dangerous Good.
Packing Group:	IMDG Pack. Group III
Marine Pollutant:	N/A
Proper shipping name :	N/A

**INTERNATIONAL AIR TRANSPORT
ASSOCIATION (IATA):**

15. REGULATORY INFORMATION

ACVM Registered Number: Not applicable
HSNO Approval Code: HSR002503

16. OTHER INFORMATION

Additional information: **Original Issue Date:** 5th October 2006
Revision Date: 21 Oct 2011
Replaces: ES159

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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