



MATERIAL SAFETY DATA SHEET

PRODUCT: BUMPER 250 EC Fungicide	Infosafe No: NU07T ISSUED: Nov 00
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HEALTH HAZARD INFORMATION

ACUTE EFFECTS

SWALLOWED:

Product is slightly toxic. For product of similar composition oral LD50 (rat) is >2000 mg/kg. Quantity swallowed incidental to normal handling procedures is not expected to cause injury. However if large amounts are swallowed and aspiration occurs, ie liquid enters lungs, chemical pneumonitis may develop.

EYE:

If contact occurs product may cause slight eye irritation. Eye injury is not expected to occur.

SKIN:

Product may cause slight skin irritation. It is not likely to be absorbed in harmful amounts even for the concentrate. For a similar product dermal LD50 is >4000 mg/kg. Based on animal studies for propiconazole and the solvent, the product is not expected to be a skin sensitiser. However experience shows that some individuals develop an allergic response. Prolonged or repeated skin contact with the product will defat the skin and may cause dermatitis.

INHALED:

Product is not expected to cause adverse health effects due to very low volatility of propiconazole and the solvent at ambient temperatures. Prolonged or repeated exposure to high concentrations of solvent vapour may irritate the respiratory tract, the eyes and possibly cause headaches and dizziness and other central nervous system effects. Inhalation of excessive amounts of spray mist may cause respiratory irritation.

CHRONIC EFFECTS

A skin sensitisation has been observed in some sensitive individuals handling and using similar products containing propiconazole.
For Propiconazole: In a long term animal study at high doses of propiconazole an increased liver tumour incidence in mice was observed. However this effect was considered specific to the species studied and not relevant to humans. Mutagenicity tests were negative. In animal studies no teratogenic or adverse reproductive effects were found.

OTHER HEALTH HAZARD INFORMATION

Persons with pre-existing dermatitis, respiratory disorders or an allergy history should take extra care in handling this product.

FIRST AID



MATERIAL SAFETY DATA SHEET

Page 3

PRODUCT: BUMPER 250 EC Fungicide	Infosafe No: NU07T ISSUED: Nov 00
---	--

SWALLOWED:

If poisoning occurs, contact a doctor or Poisons Information Centre.
Do not give fluids or induce vomiting if person is unconscious or having convulsions.
Do NOT induce vomiting. Give a large quantity of water to drink. Get patient to a doctor or hospital promptly.

EYE:

Wash eyes for 15 minutes with flowing water, with eyelids held open. Seek medical advice if irritation persists.

SKIN:

Remove contaminated clothing promptly and wash skin thoroughly with soap and water. Obtain medical attention if irritation persists.
Wash contaminated clothing before re-use.

INHALED:

Move affected person to fresh air. Obtain medical attention.

FIRST AID FACILITIES:

ADVICE TO DOCTOR:

There is no specific antidote for this product.
Treat symptomatically. The product contains a solvent derived from petroleum products and may cause chemical pneumonitis if aspirated into lungs. Watch for delayed onset of pulmonary edema.

TOXICITY DATA:

For product:

LD50 (oral, rat): >2,000mg/Kg

For propiconazole:

Acute oral LD50 (rat): 1517 mg/kg

Acute dermal LD50 (rat): >4000 mg/kg

Acute Inhalation LC50 (rat) (4hr): > 5.8 mg/L

Long term exposure of mice at high dose level of propiconazole produced an increase of liver tumours in males.

No teratogenic or adverse reproductive effects were found in animal studies. Mutagenicity studies showed no mutagenic or genotoxic effects.

Toxicity to fish: Moderately toxic to fish

LC50 (96hr); rainbow trout: 5.3 mg/L

LC50 (96hr); carp: 6.8 mg/L

Toxicity to birds: Non toxic

Acute oral LD50 (Japanese quail): 2223 mg/Kg

Acute oral LD50 (Bobwhite quail): >2510 mg/Kg

Toxicity to bees : Not toxic.

Continued on next page ...



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FIRE/EXPLOSION HAZARD:

Product will burn generating harmful combustion products including oxides of carbon, oxides of nitrogen and traces of hydrogen cyanide.
Breathable air apparatus may be required in confined spaces.
Extinguishing media: water spray, foam, carbon dioxide or dry chemical powder. Hazchem code not assigned.

Reactivity Data:

No data available.

OTHER INFORMATION

User Data:

Contact Point:

Normal Hours: Mr. Volker Maier Phone: (03) 9282-1000
After Hours: Shift Supervisor Phone: 1 800 033 498

End: Infosafe printed Material Safety Data Sheet - 5 April 2001