

SECTION-1: Identification of the substance / mixture and the company / undertaking

Catalogue Number	CS-EJ-00034
Product Name	Bromuconazole
CAS No.	116255-48-2
Category	Pesticide Standards
Synonyms	1-((4-Bromo-2-(2,4-dichlorophenyl)tetrahydro-2-furanyl)methyl)-1H-1,2,4-triazole; 1-[[4-bromo-2-(2,4-dichlorophenyl)oxolan-2-yl]methyl]-1,2,4-triazole
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email sales@clearsynth.com for more details.

2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Acute toxicity (Category 4)

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H302	Harmful if swallowed.
H400	Not available
H410	Not available

H361	Not available
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Precautionary Statement(s)

Code	Statement
P264	Wash hands thoroughly after handling.
P270	Not available
P273	Not available
P301+P317	Not available
P330	Not available
P391	Not available
P501	Dispose of contents/container in accordance with local/regional/national/international regulation
P203	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P318	Not available
P405	Store locked up.

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Bromuconazole

CAS Number : 116255-48-2

Molecular Formula : C₁₃H₁₂BrCl₂N₃O

Molecular Weight : 377.06

Parent Chemical : Not available

Synonyms : 1-((4-Bromo-2-(2,4-dichlorophenyl)tetrahydro-2-furanyl)methyl)-1H-1,2,4-triazole;

1-[[4-bromo-2-(2,4-dichlorophenyl)oxolan-2-yl]methyl]-1,2,4-triazole

Concentration : Not available

SECTION 4: First aid measures

Not available

SECTION 5: Firefighting measures

Not available

SECTION 6: Accidental release measures

Not available

SECTION-7: Handling and storage

Not available

SECTION 8: Exposure controls / personal protection

Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available

Property	Value
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

SECTION 10: Stability and reactivity

Not available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: /LABORATORY ANIMALS: Acute Exposure/ Non-irritating to eyes and skin of rabbits. Non-sensitising to skin of guinea pigs.[Tomlin CDS, ed. Bromuconazole (116255-48-2). In: The e-Pesticide Manual, 13th Edition Version 3.2 (2005-06). Surrey UK, British Crop Protection Council.] /LABORATORY ANIMALS: Subchronic or Prechronic Exposure/ Rats /were administered/ 0, 40, 200, 1000, or 5000 ppm via the diet /for thirteen weeks/. NOAEL: 200 ppm (M: 13.8 mg/kg/day; F: 15.1 mg/kg/day) LOAEL: 1000 ppm (M: 68.1 mg/kg/day; F: 74.5 mg/kg/day) based on decreased body weight gains in females, changes in hematology/blood chemistry parameters and in the incidence of microscopic lesions consistent with liver toxicity, and increased liver weight gain in both sexes.[USEPA/Office of Prevention Pesticides and Toxic Substances; Pesticide Fact Sheet on Bromuconazole. Available from, as of July 13, 2006: <http://www.epa.gov/opprd001/factsheets/bromuconazole.pdf>]
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: /LABORATORY ANIMALS: Chronic Exposure or Carcinogenicity/ Rats were dosed at 20, 150, 1000, 2000 ppm in the diet; NOAEL: 20 ppm (0.88 mg/kg/day); LOAEL: 150 ppm (6.48 mg/kg/day) based on non-neoplastic lesions; Not oncogenic under the conditions of the study.[USEPA/Office of Prevention Pesticides and Toxic Substances; Pesticide Fact Sheet on Bromuconazole. Available from, as of July 13, 2006: <http://www.epa.gov/opprd001/factsheets/bromuconazole.pdf>] /LABORATORY ANIMALS: Chronic Exposure or Carcinogenicity/ Mice were dosed at 0, 100, 1000, and 3000 ppm in the diet. NOAEL 100 ppm (M:12.3 mg/kg/day; F: 10.9 mg/kg/day); LOAEL 1000 ppm (F:134.5 mg/kg/day) based on decreased body weight gains.[USEPA/Office of Prevention Pesticides and Toxic Substances; Pesticide Fact Sheet on Bromuconazole. Available from, as of July 13, 2006: <http://www.epa.gov/opprd001/factsheets/bromuconazole.pdf>]
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: /LABORATORY ANIMALS: Subchronic or Prechronic Exposure/ Rats /were administered/ 0, 40, 200, 1000, or 5000 ppm via the diet /for thirteen weeks/. NOAEL: 200 ppm (M: 13.8 mg/kg/day; F: 15.1 mg/kg/day) LOAEL: 1000 ppm (M: 68.1 mg/kg/day; F: 74.5 mg/kg/day) based on decreased body weight gains in females, changes in hematology/blood chemistry parameters and in the incidence of microscopic lesions consistent with liver toxicity, and increased liver weight gain in both sexes.[USEPA/Office of Prevention Pesticides

and Toxic Substances; Pesticide Fact Sheet on Bromuconazole. Available from, as of July 13, 2006: <http://www.epa.gov/opprd001/factsheets/bromuconazole.pdf> /LABORATORY ANIMALS: Chronic Exposure or Carcinogenicity/ Rats were dosed at 20, 150, 1000, 2000 ppm in the diet; NOAEL: 20 ppm (0.88 mg/kg/day); LOAEL: 150 ppm (6.48 mg/kg/day) based on non-neoplastic lesions; Not oncogenic under the conditions of the study.[USEPA/Office of Prevention Pesticides and Toxic Substances; Pesticide Fact Sheet on Bromuconazole. Available from, as of July 13, 2006: <http://www.epa.gov/opprd001/factsheets/bromuconazole.pdf>]

- Aspiration hazard: No data available.

Likely routes of exposure

- LC50 Rabbit inhalation >5 mg/L/4 hr

Symptoms related to the physical, chemical and toxicological characteristics

- Not available.

SECTION 12: Ecological information

Not available

SECTION 13: Disposal considerations

Not available

SECTION 14: Transport information

Not available

SECTION 15: Regulatory information

Not available

SECTION 16: Other information

Not available

DISCLAIMER

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