



SHREEJI PESTICIDES PVT. LTD
(A SUBSIDIARY OF WILLOWOOD CHEMICALS PVT. LTD)

Material safety data sheet BUPROFENZIN 25% EC

1. IDENTIFICATION OF COMPANY & PRODUCT

Product Name : BUPROFEZIN 25 % SC
Chemical Name : 2-tert-butylimino-3-isopropyl-5-phenylperhydro-1, 3, 5thiadiazin-4-one.
Users : Insecticide
Molecular Formula : C₁₆H₂₃N₃O₅
Manufacturer : Shreeji Pesticides Pvt. Ltd.
Address : Plot No. 69/P, Village - Manjusar, Taluka - Savli, Dist. Vadodara - 391775
Gujarat, India
Tele Fax Number : 91 2667 264701

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Cas #	Percent Or Content(W/W)
2-tert-butylimino-3-isopropyl-5 phenylperhydro-1,3,5-thiadiazin-4-one	69327-76-0	25 % w/w

3. HEALTH HAZARDS IDENTIFICATION

Harmful by inhalation. Irritating to skin.

4. FIRST AID MEASURES

Ingestion : Never induce vomiting if the patient is unconscious. If patient is conscious, induce vomiting after drinking water. Obtain medical attention.
Eye contact : Rinse under running water for at least 15 minutes. Obtain medical attention.
Skin contact : Remove contaminated clothing and wash skin thoroughly with soap and plenty of water. Wash contaminated clothing before reuse.
Inhalation : Remove patient from exposure, keep at rest. Obtain medical attention as a precaution.
Notes to physician : During the toxicological testing, clinical symptoms were considered to results from



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the use of an occlusive dressing observed on Day 1 and 3. Signs observed were diarrhea, stains around the nose and signs on urinary incontinence.

5. FIRE FIGHTING MEASURES

- Extinguishing Media** : Foam .co2. Dry chemical
- Firefighting Instruction** : Fire fighters shall wear full-faced self-contained breathing apparatus and protective clothing.
- Special hazard** : Hazardous combustion products are carbon dioxide, carbon monoxide, nitrogen oxides and sulfur oxide

6. ACCIDENTAL RELEASE MEASURES

Leak and/or Spill : Wear protective clothing as indicated in Section 8. Evacuate non-essential personnel. Adsorb the spillage with inert material such as clay, sand, white carbon etc. Collect the adsorbed material into a clean container for disposal as scheduled waste. Wash the contaminated area with a little water and detergent. Adsorb absorb with inert material and collect into the same container. Wash the area and drain the water to Wastewater Treatment Plant.

7. HANDLING AND STORAGE

- Handling** : Wear protective clothing such as impervious gloves, respiratory mask and goggles. Read the label before use.
- Storage** : Keep in original container, tightly closed, out of reach of children. Keep away from foodstuffs and animal feeding stuffs. Avoid extreme temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure Limit** : 2 mg/m3 (JAIH) 1 mg/m3 (NICHINO)
- Engineering Measures** : General ventilation, local exhausts ventilation
- Personal protection** : Wear pesticide respirator mask, chemical safety goggles, protective gloves and clothing.
- Personal Protective Equipment in General** : Change working clothes daily.



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Breathing protection	: In case of heavy exposure, wear Dust mask.
Hand Protection	: Chemical-resistant gloves
Eye Protection	: Goggles.
Body Protection	: Heavy duty cotton or synthetic fabric working clothes (e.g. overalls).Precautionary Measures after Work Wash thoroughly (shower, bathe, wash hair). Change clothing. Thoroughly clean protective gear. Thoroughly clean contaminated equipment with soap or soda solution.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: White suspension
Odour	: Characteristic odour
Solubility	: Dispersible in water 0.9mg/L @ 25°C
Melting Point	: 104.5-105.5 °C
Vapour Pressure	: 1.25 mPa @ 25°C
pH	: 6.5
Evaporation Rate	: No data available
Specific Gravity	: 1.108 at 27°C
Flash Point	: N.A.
Flammable limit (%)	: N.A.
Partition coefficient	: log Po/w = 4.3

10. STABILITY AND REACTIVITY

Conditions to avoid	: Direct sunlight, heat and extreme temperature
Incompatible	: No data available
Decomposition Products	: May evolve carbon monoxide and nitrogen oxides upon combustion.
Hazardous polymerization	: None
Stability	: Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION



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Acute Toxicity Data	
Acute Oral LD50: (Rat)	> 2,000 mg/kg
Acute Dermal LD50: (Rat)	> 2,000 mg/kg
Inhalation LC50: (Rat) male	> 4.57 mg/L (4 hr)
Eye Irritation:	Irritating
Skin Irritation:	Irritating
Carcinogenicity:	Not carcinogen
Reproductive Effect:	No effect
Effects of overexposure:	No data available
Chronic effects:	Buprofezin did not produce genetic changes in tests.
Target organs:	Organ toxicity in rat was not observed.

12. ECOLOGICAL INFORMATION

Mobility & Bioaccumulation:	No data available
Biodegradability:	No data available
Aquatic Toxicity:	LC50 (96 hours) (Rainbow trout - <i>Salmogairdneri</i>) > 630 mg/l >630 mg/l (NOEL)
EC50 (96 hours):	(<i>Daphnia Magna</i>) > 234 mg/L >234 mg/l (NOEL)
Bee:	No direct effect at 2000mg/l

13. DISPOSAL CONSIDERATIONS

Product Disposal: Pay attention to protective clothing and measures. Dampen solid material carefully to prevent it being blown away. Material in specially marked, tightly closing containers. Clean dirty areas with carbonated or soapy water. Put washing water in containers too, to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative Collect and dispose of. In an incinerator approved for chemicals.

Empty Containers: Dispose of empty Containers in an incinerator approved for chemicals. Dispose of according to applicable national environment laws and / or local regulation



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14. TRANSPORT INFORMATION

IMCO

UN No. 2588

Class 6.1

IMDG PG Packing Group III

Proper Shipping Name Thiadiazine pesticide, liquid, toxic, Buprofezin 25% SC Aromatic solution).

Environmental risk Marine pollutant

15. REGULATORY INFORMATION

Pesticides Act:	Class III - Harmful
CPL Regulations:	Class – Harmful, Irritant
Risk Phrases:	R20 Harmful by inhalation.
	R38 Irritating to skin.
Safety Phrases:	S1/2 Keep out of reach of children
	S36/37/39 Wear suitable protective clothing, gloves and eye protection

16. OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are resented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces formulations containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS. Accordingly, no guarantee or warrantee expressed or implied is made by CLSL, as to the results to be obtained based upon the user's use of the information, nor does CLSL assume any liability arising out of user's use of the information.