

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name : Bispyribac-Sodium 97% TC
Chemical Name : Sodium 2, 6-bis (4, 6-dimethoxy pyrimidin-2-yloxy) benzoate
Type : Herbicide
Molecular formula : C₁₉H₁₇N₄NaO₈

2. Composition/Information on ingredients

Chemical Name	CAS#	Percent or content(w/w)
Bispyribac-sodium	125401-75-4	97%
Other ingredients	-	Up to 100%

3. Health Hazards Identification

Adverse Human Health Effects:

Effect of over exposure: We have never faced the poisoning problem attributed to bispyribac-sodium technical on laboratory researchers, factory workers and users, however, over-exposure experiments on animals showed that the administration of an extra-ordinary large quantity of bispyribac-sodium technical may cause hypoactivity, abnormal walking and prostration.

4. First Aid Measures

Skin Contact: Wash material off the skin in flowing water or shower with soap. If irritation persists, consult a physician immediately.

Eye Contact: Immediately flush with copious amount of water for at least 15 minutes.

Inhalation: Remove the victim to fresh air and keep him warm and quiet. Get a medical attention immediately. If not breathing, clear the airway and give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Induce vomiting by giving one or two glasses of water. Get a medical attention immediately. If the victim is unconscious or having convulsions, never give fluids nor induce vomiting.

ADVICE TO DOCTOR

No specific antidote if ingested. Treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media: Water, dry chemical powder, foam or carbon dioxide

Special Fire Fighting Procedure: Use water, dry chemical powder or carbon dioxide in extinguishing. For a fire in surrounding area, apply water to cool and protect surrounding equipments. Remove containers, if feasible, from the fire area to safe place immediately. Fire fighters should wear protective gears including a positive pressure self-contained breathing apparatus. Evacuate non essential personnel.

6. Accidental Release Measures

In Case of Spill or Leak

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water.

Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span).

Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. Handling and Storage

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area.

Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material.

Wash thoroughly with soap and water after handling.

8. Exposure Controls/Personal Protection

Engineering Controls: The use of local exhaust ventilations is recommended. Containers should be kept tightly closed. Make available emergency showers and eye washes in a work area.

Personal Protective Equipment: Wear chemical cartridge respirator with an organic vapour cartridge, airline respirator, positive pressure self-contained breathing apparatus, safety goggles, gloves and boots as appropriate.

9. Physical and Chemical Properties

Appearance: White solid

Odor: Odorless

Solubility in water: Soluble

Bulk density: 0.32

Water content: $\leq 0.5\%$

pH value: 6.0-10.0

10. Stability and Reactivity

Stability :	Stable under normal use and storage condition.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid :	Not available
Materials to Avoid :	Not available
Hazardous Decomposition Products:	Not available

11. Toxicological Information

Acute Toxicity

Ingestion:	Slightly Toxic Oral (LD50 Rat): >5000 mg/kg body weight
Dermal:	Slightly Toxic Dermal (LD50 Rabbit): > 2000 mg/kg body weight
Inhalation:	Practically Non-Toxic Inhalation (LC50 Rat): >3.35 mg/L - 4 hours
Eye Contact:	Mild Irritating (Rabbit)
Skin Contact:	Non Irritating (Rabbit)
Skin Sensitization:	Non sensitization

12. Ecological Information

Daphnia magna :	TLm48 >134.5 mg/l
Avian Toxicity :	Japanese quail Acute LD50 (Oral) 2710 mg/kg;
Bees :	LC50 (Oral) > 200 µg/bee
Earthworm Toxicity:	Acute LC50 >1000 ppm (14 days exp. for Eisenia foetida)
	Environmental Fate
Animals :	>95% of dose applied to rats was excreted in urine and Feces within 7 d.
Plants :	Following application to foliage and soil at 5-leaf stage of Rice plants, c. 10% of carbon label was distributed between straw and roots at harvest.
Soil/Environment :	In soil, DT50 <10 d (flooded and upland conditions).

13. Disposal Considerations

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

14. Transport Information

Product Name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
UN No.	:	3077
UN Hazard Class	:	9
UN Packing Group	:	III
Marine Pollutant status	:	YES
EMS	:	F-A, S-F

15.Regulatory Information

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal.

16.Other Information

This Material Safety Data Sheet summarizes 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.