

MATERIAL SAFETY DATA SHEET**SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****1.1 Product Details****Product Name** : Bispyribac-Sodium 10 % SC**Chemical Name** : Sodium 2,6-bis[(4,6-dimethoxypyrimidin-2-yl)oxy] benzoate**Chemical Formula** : C₁₈H₁₇N₄NaO₈**Molecular weight** : 452.0**Chemical Family** : Pyrimidinyl carboxy compounds**Use** : Herbicide for agricultural use**1.2 Company Identification****Manufacturer** : Godrej Agrovet Ltd. , Pirojshanagar, Eastern Express Highway
Vikhroli(e) , Mumbai – 400079 , INDIA.

Telephone Number : +91-22-25188010

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportion	Exposure Limit	Toxicity data
Sodium 2,6-bis[(4,6-dimethoxy pyrimidin-2-yl) oxy] benzoate	125401-92-5	10.0% w/v	No data available	Refer Section - 11
Inert (Surfactant, water, etc)	-	90.0%w/w		

SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Off-white viscous suspension concentrate
Odor	: Almost odorless
Solubility	: No data available
Boiling Point	: No data available
Melting Point (°C)	: No data available
Vapour Pressure (mmHg at 25°C)	: No data available
Percentage Volatiles	: No data available
Evaporation Rate	: No data available
Vapour Density	: No data available
Specific Gravity	: 1.059 - 1.070 (20°C)
Flash Point	: No data available
Autoignition Temperature	: No data available
Flammable Limit (%)	: No data available
Viscosity	: 300 - 600 mPa
Suspensibility	: 102 %

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Dispersibility	: Good
Heat Stability	: Stable
Cold Stability	: Stable
pH value	: > 9.12
Compatibility	: Compatible to almost all pesticides

SECTION 4 : HAZARD IDENTIFICATION

Harmful by inhalation.
Irritating to skin.

SECTION 5 : FIRST AID MEASURES

Ingestion	: Induce vomiting by giving one or two glasses of water. Get medical attention immediately. Never give fluids nor induce vomiting to the victim who is unconscious or having convulsions.
Eye Contact	: Immediate flush with copious amount of water for at least 15 minutes. If irritation persists, consult a physician.
Skin Contact	: Wash material off the skin in flowing water or shower with soap. If irritation persists, consult a physician immediately.
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.
Notes to Physician	: No data available

SECTION 6 : FIRE FIGHTING MEASURES

Extinguishing Media	: Water, dry chemical powder, foam or carbon dioxide
Fire Fighting Instruction	: 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 (SCBA). Evacuate non essential personnel.
Special Hazards	: No data available

SECTION 7 : ACCIDENTAL RELEASE MEASURE**Leak and/or Spill :**

Evacuate non essential personnel by roping the area of leak or spill. Evacuate people to upwind of the spilled area. Remove all sources of ignition. No flares, smoking, or flames in the area immediately. Wear protective gears and never work downwind. For small spills, adsorb with inert materials (e.g. dry sand or earth), then place in a waste chemical container for disposal. Flush residual spill (area) with a plenty of water. Prevent spills from entering sewers, watercourses or low areas.

SECTION 8 : HANDLING AND STORAGE

Handling : Keep out of reach of children. When handling and spraying the product, wear duty workingclothes, cap, gloves, glasses and mask to avoid contact with skin, eyes and inhalation of dust,fog and vapors. After work thoroughly wash hands, face and possible exposed areas of body and change clothing.

Storage : Keep containers tightly closed and store in a cool, dark and dry place.

SECTION 9 : EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limit : Not established ACGIH TLV (1992-93)

Engineering Measures : Local exhaust ventilation is recommended. Containers should be kept tightly closed. Make available emergency showers and eye washes in a work area.

Personal Protection :

Respiratory Protection : Wear chemical cartridge respirator with an organic vapor cartridge, airline respirator, positive pressure self-contained breathing apparatus.

Eye Protection : Safety goggles.

Skin Protection : Gloves and boots as appropriate.

SECTION 10 : STABILITY AND REACTIVITY

Conditions to Avoid : No data available

Incompatibles : Compatible to almost all pesticides

Decomposition Products : No data available

Hazardous Polymerization : No data available

Stability : Stable for 2years if stored in a cool, dark and dry place.

MATERIAL SAFETY DATA SHEET**SECTION 11 : TOXICOLOGICAL INFORMATION****Toxicity Data :**

Acute Oral LD₅₀	: (Rat) > 5,000 mg/kg (male & female)
Acute Dermal LD₅₀	: (Rat) > 4,000 mg/kg (male & female)
Inhalation LC₅₀ (4 hrs)	: (Rat) > 3.99 mg/L
Mutagenic Effect	: (Ames test) Negative (S-9 Mix + or -) (Technical)
Carcinogenicity	: No data available
Reproductive Effect	: No data available

Effects of Overexposure :

Eye Irritation	: (Rabbit) Not irritant
Skin Irritation	: (Rabbit) Mild irritant
Allergenic Effects	: (Guinea pig) Not sensitizing
Sensitizing Effects	: (Guinea pig) Not sensitizing
Chronic Effects	: We have never faced the poisoning problem attributed Bispyribac Sodium 10 %w/v SC 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 10 %w/v may cause hypoactivity, abnormal walking and prostration.
Target Organs	: No data available
Medical Conditions Generally Aggravated by Exposure	: No data available

SECTION 12 : ECOLOGICAL INFORMATION

Mobility & Bioaccumulation	: No data available
Biodegradability	: No data available

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TLm96 : Bluegill sunfish >100 ppm

TLm96 : Common carp >100 ppm

TLm48 : *Daphniamagna* >100 ppm**Avian Toxicity :**Acute LD₅₀ (Oral) : Bobwhite quail >2,000 mg/kg

Mallard duck >2,000 mg/kg

Earthworm ToxicityAcute LC₅₀ (14 days) : >1,000 ppm**Honey Bee Toxicity**Topical LD₅₀ : >200 g/ bee**SECTION 13 : DISPOSAL INFORMATION**

Dispose of in accordance with local regulation.

Do not dump into sewers or into any body of water.

SECTION 14 : TRANSPORT INFORMATION

Shipper must give transporters a transport precautionary instruction at the time of shipping the product. Check the leakage of containers before loading. Make sure to load containers correctly to prevent them from falling down. Follow all regulations with regard to transporting chemicals in your country.

SECTION 15 : REGULATORY INFORMATION**Pesticides Act**

Class : IV

CPL Regulations

Class : Harmful

Risk Phrases : R20 Harmful by inhalation
R38 Irritating to skin

Safety Phrases : S 36 Wear suitable protective clothing

SECTION 16 : OTHER INFORMATION

NONE

This MSDS is 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.

It does not represent a guarantee of the properties of the product.

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