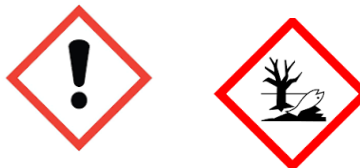


1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name:	BISPYRIBAC SODIUM 10% SC
Use / description of product:	Use as an agricultural/horticultural herbicide
Company name:	INDOFIL INDUSTRIES LIMITED Kalpataru Square, 4th Floor, Kondivita Road, Off. Andheri Kurla Road, Andheri (E), Mumbai 400 059, Maharashtra, India. Email: customercare@indofil.com Toll Free No.: 1800-120-003-004

2. HAZARDS IDENTIFICATION**GHS Classification****Hazard Symbol****Signal Word :****WARNING****Precautionary statements**

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects

P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/ container in accordance with national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS	%
Active ingredient (Sodium 2,6-bis[(4,6-dimethoxyprimidin-2-yl)oxy]benzoate)	125401-92-5	10
Other ingredients	-----	90

4. FIRST AID MEASURES**Most Important symptoms and effects, both acute and delayed****Skin contact**

There may be mild irritation at the site of contact

Eye contact

There may be irritation and redness.

Ingestion

There may be soreness and redness of the mouth and throat

Description of first aid measures**In general**

Never give fluids or induce vomiting if patient is unconscious or is having convulsions. Seek medical advice immediately (show the label where possible)

After Ingestion

Do not induce vomiting. Provided the patient is conscious. Wash mouth with water and give plenty of water to drink. Consult a physician or Doctor if victim feels unwell.

After eye contact	Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.
After skin contact	Immediately wash skin with soap and plenty of water. Remove and wash contaminated clothing before re-use. Consult a physician if irritation develops.
After Inhalation	Move to fresh air. Consult a physician if victim feels unwell.

Indication of any immediate medical attention and special treatment needed

Supportive care. No specific antidote. Treatment based on judgement of physician, in response to symptoms of patient.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	Water spray. Carbon dioxide. Dry chemical powder.
Exposure hazards:	May form flammable mixture.
Protection of fire-fighters:	Wear self-contained breathing apparatus. Run-off from fire control may be a pollution hazard. If area is not too heavily exposed to fire, and if conditions permit, let fire burn itself out, since water may increase the contamination hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Eliminate all sources of ignition.
Environmental precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.
Clean-up procedures:	Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure, which may produce sparks.

7. HANDLING AND STORAGE

Handling requirements:	Ensure there is sufficient ventilation of the area. Smoking is forbidden. Use non-sparking tools. When handling do not eat, drink or smoke.
Storage conditions:	Store in cool, well-ventilated area. Keep away from sources of ignition. Keep container tightly closed. Keep in original containers, out of reach of children Never allow the product to become wet during storage. This may lead to chemical changes, which will reduce the effectiveness as herbicide and could create flammable vapours.
Suitable packaging:	Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures:	Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
Respiratory protection:	Wear approved respirator.
Hand protection:	Protective gloves Requirements can vary as a function of the use. Therefore, it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Mixers and loaders must wear overalls , protective goggles and chemical-resistant apron. Applicators and other handlers must wear overalls, goggles and waterproof gloves. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid Suspension
Colour:	Off white
Odour:	Odorless
Solubility in water	Forms suspension in water
pH	NA
Specific Gravity	1.059 – 1.070 (20°C)

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Acids and moisture (in storage)
Hazardous decomp. products:	Elevated temperature or free water promotes decomposition, which may cause spontaneous combustion. In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients:	Bispyribac Sodium
<u>Acute toxicity (Assessment largely or completely based on data for active substance)</u>	
Acute Oral LD ₅₀ (Rat)	>5000 mg/kg
Acute Dermal LD ₅₀ (Rat)	>4000 mg/kg
Acute Inhalation LD ₅₀	> 3.99 mg/l
EYE Irritation (Rabbit)	Not eye irritation.
SKIN Irritation (Rabbit)	Non irritant
Skin Sensitization (Guinea Pig)	sensitizing to Guinea pig skin

12. ECOLOGICAL INFORMATION

Ecotoxicity: (Assessment largely or completely based on data for active substance)

<u>Aquatic toxicity :</u>	Material is very toxic to aquatic organisms.
Fish	
LC ₅₀ (96 h,)	Common carp > 100 ppm Bluegill sunfish > 100 ppm Daphniamagna > 100 ppm
Algae EC ₅₀ (120 hr)	<i>Selenastrum capricornutum</i> < 1.0 mg /L
Daphnia EC ₅₀ (48 hr)	EC ₅₀ < 1.0 mg/L
Bird	Material is practically non-toxic to birds.
Acute Oral, LD ₅₀ (10 d)	Mallard ducks > 2000 mg/kg
Acute dietary, LC ₅₀ (8 d)	Bobwhite quail > 2000 mg/kg
Honey Bee	Material is non-toxic to bees.
LD ₅₀ (oral)	> 200 µg/bee;
LD ₅₀ (contact)	> 200 µg/bee.
Earthworm	
LC ₅₀ (14 d)	> 1000 ppm soil.
Environmental Fate	
Persistence and Degradability:	No data
Bio-accumulation potential:	No data
Mobility in soil:	No data

13. DISPOSAL CONSIDERATIONS

Disposal operations:	Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.
Disposal of packaging:	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

U.S> Department of Transportation (DOT)

Bulk	
UN no:	3082
Shipping name:	Bispyribac Sodium 10% SE, Environmentally Hazardous Substance, solid, n.o.s.
Hazard Class:	9
Packing group:	III
Land Transport (ADR / RID)	
UN no:	3082
Shipping name:	Bispyribac Sodium 10% SE, Environmentally Hazardous Substance, solid, n.o.s.
Hazard Class:	9
Packing group:	III

SAFETY DATA SHEET
BISPYRIBAC SODIUM 10% SC
(NAMI)

Marine Transport (IMDG / IMO)



UN no: 3082
Shipping name: Bispyribac Sodium 10% SE, Environmentally Hazardous Substance, solid, n.o.s.
Hazard Class: 9
Packing group: III
Marine pollutant: Yes
EmS: F-A, S-F

Air transport (IATA / ICAO)

UN no: 3082
Shipping name: Bispyribac Sodium 10% SE, Environmentally Hazardous Substance, solid, n.o.s.
Hazard Class: 9
Packing group: III
Cargo Packing instructions:

15. REGULATORY INFORMATION

Hazard pictogram :

	
GHS07 Exclamation Mark	GHS09 Environment

Signal word

WARNING

Phrase

- S24: Avoid contact with skin.
- S36/37: Wear suitable protective clothing and gloves.
- S46: If swallowed, seek medical advice immediately and show this container or label.
- S60: This material and its container must be disposed of as hazardous waste.
- S61: Avoid release to the environment.

16. OTHER INFORMATION

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.