

# ***NICE*** **SAFETY DATA SHEET**

## **1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

Catalogue No : B 11307

Product Name : Bismuth borate

Manufacture / Supplier Identification Company : Nice Chemicals (P) Ltd., PB No: 2217,  
Manimala Road, Edappally, Kochi - 682 024,  
Kerala, India.

Contact for Information : **Tel:** 91-484-2800212, 2802755, 2802536,  
2801583  
**Fax :** 0484 2802483

Emergency Telephone No : 0484 2801583

TeleFax No : 0484 2802483

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## **2 COMPOSITION / INFORMATION ON INGREDIENTS**

Molecular Formula :  $\text{BBiO}_3$

Synonyms : .....

CAS - No : 37233 - 77 - 5

Molar Mass : .....

Molecular weight : 267.789 g/mol

EC - INDEX No : .....

EC - No : .....

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## **3 HAZARDS IDENTIFICATION**

### **Classification of the substance or mixture**

Principle route of exposure : Skin

Inhalation : May cause irritation of respiratory tract

Ingestion : May be harmful if swallowed

Skin contact : May cause allergic skin reaction

Eye contact : Avoid contact with eyes

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## **Statement of spill or Leak - Ansi Label**

Eliminate all ignition sources. Absorb and/or contain spill with inert materials. Then place in appropriate container. For large spills, use water spray to disperse vapours, flush spill area. Prevent runoff from entering waterways or sewers.

Other Hazards : none

## **4 FIRST AID MEASURES**

General advice	:	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	:	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	:	Flush eyes with water as a precaution.
If swallowed	:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most Important symptoms and effects, both acute and delayed	:	No data available
Indication of any immediate medical attention and special treatment needed	:	No data available

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## **5 FIRE - FIGHTING MEASURES**

Suitable extinguishing media	:	Use dry chemical, CO <sub>2</sub> , water spray or "alcohol" foam
Special hazards arising from the substance or mixture	:	Burning produces irritant fumes.
Advice for firefighters	:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Further Information	:	No data available.

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## **6 ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental-protection : Prevent product from entering drains

Methods and materials for containment and cleaning up : Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections : For disposal see section 13.

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## **7 HANDLING AND STORAGE**

Precautions for safe handling : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities : ROOM TEMPERATURE

Specific end users : Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## **8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Control parameter**

### **Components with workplace control parameters**

### **Exposure Controls**

Appropriate engineering controls : Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling the product.

### **Personal protective equipment**

Eye/face protection : Safety glasses with side shields

Skin Protection : Usual safety precautions while handling the product will provide adequate protection against this potential effects.

Body Protection : Usual safety precautions while handling the product will provide adequate protection against this potential effects.

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Respiratory protection	:	Breathing apparatus only if aerosol or dust is formed.
Control of environmental exposure	:	No data available

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## **9 PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

Appearance	:	<b>Form</b> : powder <b>Colour</b> : Grey
Odour	:	No data available
Odour Threshold	:	No data available
pH	:	No data available
Melting Point/Freezing point	:	No data available
Initial Boiling point and boiling range	:	No data available
Flash Point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or explosive limits	:	No data available
Vapour Pressure	:	No data available
Vapour Density	:	No data available
Relative density	:	No data available
Water solubility	:	Insoluble
Partition coefficient: octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Other Safety information	:	No data available

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## 10 STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	No data available
Conditions to be avoid	:	Exposure to air or moisture over prolonged periods.
Incompatible materials	:	Strong oxidizing agents
hazardous decomposition products	:	Other decomposition products - no data available

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## 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Acute Toxicity	:	No data available
<b>Further toxicological Information</b>		
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory or skin sensitisation	:	No data available
Germ cell mutagenicity	:	No data available
Carcinogenicity	:	No data available
Reproductive toxicity	:	No data available
Specific effects	:	May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.
Specific target organ toxicity - single exposure	:	No data available
Specific target organ toxicity - repeated exposure	:	No data available
Aspiration hazard	:	No data available
Additional Information	:	No data available

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## 12 ECOLOGICAL INFORMATION

Toxicity	:	No data available
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Persistence and degradability : No data available  
Bioaccumulative potential : No data available  
Mobility in soil : No data available  
Results of PBT and vPvB assessment : No data available  
Other adverse effects : No data available

## **13 DISPOSAL METHOD**

### **Waste treatment methods**

Product : Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.  
Contaminated packaging : Dispose of as unused product.

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## **14 TRANSPORT INFORMATION**

UN number : ADR/RID: -..... IMDG: -.....  
IATA: - .....

UN Proper shipping name : ADR/RID: No data available  
IMDG: No data available  
IATA: No data available

Transport hazard class(es) : ADR/RID:- ..... IMDG:- .....  
IATA:- .....

Packaging group : ADR/RID: - ..... IMDG: -.....  
IATA:-.....

Environmental group : ADR/RID: no IMDG Marine pollutant: no  
IATA: no

Special precautions for user : No data available

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## **15 REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture : No data available

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Chemical safety assessment	:	For this product a chemical safety assessment was not carried out

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## **16 OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge