

Revision Date 07-Mar-2012

**Revision Number 3** 

# SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product Identifier** 

Product Description: Bismuth(III) fluoride

Cat No. 311010000; 311010250; 311011000

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Laboratory chemicals
Uses advised against No Information available

Details of the supplier of the safety data sheet

Company

Acros Organics BVBA Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium

**E-mail address** begel.sdsdesk@thermofisher.com

**Emergency Telephone Number** 

For information in the US, call: 001-800-ACROS-01 For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99 Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300 CHEMTREC Phone Number, Europe: 001-703-527-3887

# **SECTION 2. HAZARDS IDENTIFICATION**

### Classification of the substance or mixture

**REGULATION (EC) No 1272/2008** 

Skin Corrosion/irritation	Category 1 B
Serious Eye Damage/Eye Irritation	Category 1

### Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

Symbol(s) C - Corrosive R-phrase(s) R34 - Causes burns

#### **Label Elements**



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### **SECTION 2. HAZARDS IDENTIFICATION**



Signal Word

**Danger** 

**Hazard Statements** 

H314 - Causes severe skin burns and eye damage

Precautionary Statements - EU (§28, 1272/2008)

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P280 - Wear eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/ physician

### **Other Hazards**

No information available.

### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	EC-No.	Weight %	CAS-No	67/548/EEC Classification	CLP Classification - Regulation (EC) No 1272/2008	REACH No.
Bismuthine, trifluoro- 7787-61-3	EEC No. 232-124-8	98	7787-61-3	C; R34	Skin Corr. 1B (H314)	-

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

# **SECTION 4. FIRST AID MEASURES**

Description of first aid measures

**Eye Contact** Immediate medical attention is required. Rinse immediately with plenty of water, also under the

eyelids, for at least 15 minutes.

**Skin Contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes

and shoes. Immediate medical attention is required.

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**Ingestion** Do not induce vomiting. Call a physician immediately.

**Inhalation** Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not

breathing, give artificial respiration. Immediate medical attention is required.

Notes to Physician Treat symptomatically

# **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing media**

### Suitable Extinguishing Media

Carbon dioxide (CO<sub>2</sub>). Dry chemical chemical foam.

### Extinguishing media which must not be used for safety reasons

No information available.

#### Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

### Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so

### Methods and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not let this chemical enter the environment.

### **SECTION 7. HANDLING AND STORAGE**

#### **Precautions for Safe Handling**

Do not breathe dust. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Do not ingest. Use only in area provided with appropriate exhaust ventilation.

#### Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Corrosives area. Keep under nitrogen.



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**Specific End Uses** 

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

### **Control parameters**

Exposure limits Component

Bismuthine, trifluoro-

Italy	Germany	Portugal	The Netherlands	Finland
	TWA: 1 mg/m³ 8 Stunden. F inhalable fraction exposure factor 4	TWA: 2.5 mg/m³ 8 horas		

Component

Bismuthine, trifluoro-

Austria	Denmark	Switzerland	Poland	Norway
				TWA: 0.6 mg/m <sup>3</sup> 8 timer

**Biological limit values** 

This product, as supplied, does not contain any hazardous materials with biological limits

established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)
Predicted No Effect Concentration

(PNEC)

No information available. No information available.

**Exposure controls** 

**Engineering Measures** 

Ensure adequate ventilation, especially in confined areas Ensure that eyewash stations and

safety showers are close to the workstation location

Personal protective equipment

Eye Protection Hand Protection

Protective gloves

Goggles

Skin and body protection Respiratory Protection

Wear appropriate protective gloves and clothing to prevent skin exposure

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits

are exceeded or if irritation or other symptoms are experienced

**Hygiene Measures** 

Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls

No information available.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State Solid Appearance White

pH No information available.
Vapor Pressure No information available.
Vapor Density No information available.
Boiling Point/Range No information available.
Melting Point/Range 727°C / 1340.6°F
Flash Point No information available.
Autoignition Temperature No information available.



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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES** 

Water Solubility Insoluble
Molecular Formula Bi F3
Molecular Weight 265.98

# **SECTION 10. STABILITY AND REACTIVITY**

### Reactivity

### **Chemical Stability**

Stable under normal conditions. Moisture sensitive.

### **Possibility of Hazardous Reactions**

Hazardous Polymerization Hazardous Reactions.

Hazardous polymerization does not occur.

No information available.

### **Conditions to Avoid**

Incompatible products, Exposure to moist air or water.

#### **Incompatible Materials**

Strong oxidizing agents.

### **Hazardous Decomposition Products**

Gaseous hydrogen fluoride (HF).

# **SECTION 11. TOXICOLOGICAL INFORMATION**

#### Information on Toxicological Effects

**Acute Toxicity** 

**Product Information**No acute toxicity information is available for this product

**Component Information** 

**Chronic Toxicity** 

Carcinogenicity There are no known carcinogenic chemicals in this product

SensitizationNo information available.Mutagenic EffectsNo information availableReproductive EffectsNo information available.Developmental EffectsNo information available.



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# **SECTION 11. TOXICOLOGICAL INFORMATION**

Target Organs No information available.

Other Adverse Effects The toxicological properties have not been fully investigated.

**Endocrine Disruptor Information** None known

# **SECTION 12. ECOLOGICAL INFORMATION**

**Toxicity** 

**Ecotoxicity effects** Do not empty into drains

Persistence and degradability

No information available

**Bioaccumulative potential** 

No information available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

Other adverse effects

No information available

# **SECTION 13. DISPOSAL CONSIDERATIONS**

Waste treatment methods

Waste from Residues / Unused

Dispose of in accordance with local regulations

**Products** 

**Contaminated Packaging** Empty containers should be taken to local recyclers for disposal

### SECTION 14. TRANSPORT INFORMATION

IMDG/IMO

UN-No 3260 Hazard Class 8 Packing Group II

Proper Shipping Name CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.



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# **SECTION 14. TRANSPORT INFORMATION**

ADR

UN-No 3260 Hazard Class 8 Packing Group II

Proper Shipping Name CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

**IATA** 

UN-No 3260 Hazard Class 8 Packing Group II

Proper Shipping Name CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.\*

### **SECTION 15. REGULATORY INFORMATION**

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **International Inventories**

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Bismuthine, trifluoro-	232-124-8	_	·	X	-	X	_	X	X	-	X

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**AICS** - Inventory of Chemical Substances

**KECL** - Existing and Evaluated Chemical Substances

### **Chemical Safety Assessment**

### **SECTION 16. OTHER INFORMATION**

Full text of R-phrases referred to under sections 2 and 3

R34 - Causes burns

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### **SECTION 16. OTHER INFORMATION**

Revision Date 07-Mar-2012 Revision Summary Not applicable

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

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet** 

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