

## Axitinib, Free Base

**Catalog Number: orb60991**

### Material Safety Data Sheet

#### **SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

##### **Product identifier**

Product name: Axitinib, Free Base  
Catalog No.: orb60991

##### **Details of the supplier of the safety data sheet**

Company: Biorbyt Ltd.  
Tel: +44 (0)1223 859 353  
Fax: +44 (0)1223 280 240

#### **SECTION 2. HAZARD(S) IDENTIFICATION:**

Hazard Description: pharmaceutically active substance

May be harmful if swallowed, inhaled, or absorbed through the skin

Ingestion may result in fatigue, proteinuria (presence of protein in the urine), nausea, vomiting, diarrhea, anorexia (decreased appetite), stomatitis/mucositis (inflammation/ulceration of the mucous membranes lining of the mouth and digestive tract), hypertension (elevated blood pressure), palmar-plantar erythrodysesthesia syndrome (also known as hand-foot syndrome manifested as redness, tenderness, peeling, blistering and ulceration of the palms and soles), and constipation

Exposure may cause irritation of the skin, eyes, mucous membranes, and upper respiratory tract

Signal Word: Warning

##### **GHS Hazard Statements:**

H303 - May be harmful if swallowed  
H313 - May be harmful in contact with skin  
H333 - May be harmful if inhaled  
H335 - May cause respiratory irritation  
H341 - Suspected of causing genetic defects  
H361 - Suspected of damaging fertility or the unborn child

##### **GHS Precautionary Statements:**

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
P264 - Wash skin thoroughly after handling  
P280 - Wear protective gloves/eye protection/face protection  
P308 + P311 - IF exposed or concerned: Call a POISON CENTER or doctor/physician

P314 - Get medical advice/attention if you feel unwell

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations



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

Chemical Name: *N*-methyl-2-[[3-[(1*E*)-2-(pyridin-2-yl)ethenyl]-1*H*-indazol-6-yl]sulfanyl]benzamide

Synonyms: AG-013736, D03218, Inlyta

Hazardous Ingredient: Axitinib, Free Base

CAS Registry Number: 319460-85-0

Molecular Weight: 386.47

Molecular Formula: C<sub>22</sub>H<sub>18</sub>N<sub>4</sub>OS

### **SECTION 4. FIRST-AID MEASURES:**

After Inhalation: If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration

After skin contact: flush with copious amounts of water; remove contaminated clothing and shoes; call a physician

After eye contact: check for and remove contact lenses; flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician

After swallowing: if swallowed, wash out mouth with copious amounts of water; call a physician

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

Suitable extinguishing agents: water spray, carbon dioxide, dry chemical powder, or foam

Protective equipment: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

Unusual fire hazard: may emit toxic fumes under fire conditions such as carbon monoxide, etc.

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

Person-related safety precautions: cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves

Measures for cleaning/collecting: absorb solutions with finely- powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13

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

Information for safe handling: avoid contact with skin, eyes and clothing; material may be an irritant

Storage: store solid and solutions at -20 °C

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

Personal protective equipment as follows:

Breathing equipment: NIOSH/MSHA-approved respirator

Protection of hands: chemical-resistant rubber gloves

Eye protection: chemical safety goggles

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

Form: crystalline solid; granular or powder

Color: white to off-white

Odor: none

Melting point/Melting range: 213-224 °C

Danger of explosion: none

Solubility in / Miscibility with water: very poorly soluble in water; maximum solubility in plain water is estimated to be about 10-50 µM; buffers, serum, or other additives may increase or decrease the aqueous solubility

Solvent content: none

Organic solvents: soluble in DMSO at 33 mg/mL; soluble in ethanol at 1.7 mg/mL with warming

## **SECTION 10. STABILITY AND REACTIVITY:**

Stability: stable if stored as directed; avoid strong oxidizing agents

Thermal decomposition / conditions to be avoided: protect from light and heat

Dangerous products of decomposition: thermal decomposition may produce toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides

## **SECTION 11. TOXICOLOGICAL INFORMATION:**

RTECS #: not available

Acute toxicity: oral toxicity (NOAEL): 2000 mg/kg (mouse), >2000 mg/kg (dog) - toxicity data from the Pfizer MSDS dated January 11, 2012 for Axitinib tablets

Primary irritant effect:

On the skin: may be an irritant; may be harmful if absorbed through the skin

On the eye: may be an irritant

Inhalation: may cause irritation to mucous membranes and upper respiratory tract; may be harmful if inhaled

Ingestion: may cause irritation to the upper digestive tract; may be harmful if swallowed

## **SECTION 12. ECOLOGICAL INFORMATION:**

General notes: no data available

Treat as potentially toxic if released into the environment

## **SECTION 13. DISPOSAL CONSIDERATIONS:**

Dispose of in accordance with prevailing country, federal, state and local regulations

**SECTION 14. TRANSPORT INFORMATION:**

DOT:

Proper shipping name: none

Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

IATA class:

Proper shipping name: none

Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

**SECTION 15. REGULATORY INFORMATION:**

Code letter and hazard designation of product:

Xn: Harmful

EU Risk And Safety phrases:

S22: Do not breathe dust

S24/25: Avoid contact with skin and eyes

S36/37/39: Wear suitable protective clothing, gloves, and eye/face protection

S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

R46: May cause inheritable genetic damage

R62: Possible risk of impaired fertility

R63: Possible risk of harm to the unborn child

R68: Possible risk of irreversible effects