

SAFETY DATA SHEET

Version: 2

Revision Date: 07/30/18

SECTION 1: PRODUCT IDENTIFICATION

Ibrutinib Dihydrodiol Product Name:

ESS0344 Catalog No.:

Product Use: For laboratory research purposes

SECTION 2: HAZARDS IDENTIFICATION

CLASS D2B: Toxic material causing other toxic effects. Moderate skin/eye/respiratory tract irritant. WHMIS Classification:

Skin irritation (Category 2) **GHS Classification:** 

Serious eye irritation (Category 2A)

Specific target organ toxicity - single exposure; Respiratory tract irritation (Category 3).

GHS Label elements

Pictogram:

Signal word:

Danger

H315: Causes skin irritation Hazard statement:

H319: Causes serious eye irritation. H335: May cause respiratory irritation.

P201: Obtain special instructions before use. Precautionary statement:

P202: Do not handle until all safety precautions have been read and understood. P280: Wear protective gloves/protective clothing/eye protection/ face protection.

P308+P313: IF exposed or concerned: Get medical advice/ attention. Response statements:

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

Continue rinsing.

**HMIS Classification** 

2 Health Hazard:

Not available Chronic Health Hazard:

0 Flammability: 0 **Physical Hazards:** 

Potential Health Effects

May be harmful if inhaled. Causes respiratory tract irritation. Inhalation: May be harmful if absorbed through skin. Causes skin irritation. Skin:

Causes eve irritation. Eyes: May be harmful if swallowed. Ingestion:

No data available. Other hazards:

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

1-[3-[4-Amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl]piperidin-1-yl]-2,3-dihydroxypropan-1-one; 1- [(3R)-3-[4-Amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl]-2,3-dihydroxypropan-1-one; 1- [(3R)-3-[4-Amino-3-(4-phenoxyphenyl]-1H-pyrazolo[3,4-d]pyrimidin-1-yl]-2,3-dihydroxypropan-1-one; 1- [(3R)-3-[4-Amino-3-(4-phenoxyphenyl]-1H-pyrazolo[3,4-d]pyrimidin-1-yl]-2,3-dihydroxypropan-1-one; 1- [(3R)-3-[4-Amino-3-(4-phenoxyphenyl]-1H-pyrazolo[3,4-d]-2,3-dihydroxypropan-1-one; 1- [(3R)-3-[4-Amino-3-(4-phenoxyphenyl]-1H-pyrazolo[3,4-d]-2,3-dihydroxypropan-1-one; 1- [(3R)-3-[4-Amino-3-(4-phenoxyphenyl]-1H-pyrazolo[3,4-d]-2,3-dihydroxypropan-1-one; 1- [(3R)-3-[4-Amino-3-(4-A Synonyms:

phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl]-1-piperidinyl]-2,3-dihydroxy-1-propanone;

C<sub>25</sub>H<sub>26</sub>N<sub>6</sub>O<sub>4</sub> Formula: 474.51 Molecular Weight:

1226872-27-0, 1654820-87-7 CAS No.:

**SECTION 4: FIRST AID MEASURES** 

General Advice: Consult a physician. Show this SDS. Move out of dangerous area.

Allow the victim to rest in a well-ventilated area. Seek immediate medical attention. If Inhaled:

In case of skin contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and

non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin

with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold In case of eye contact:

water may be used. Do not use an eye ointment. Seek medical attention.

If swallowed: Do not induce vomiting. Rinse mouth with water. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible

indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet. Suitable extinguishing media:

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full Special protective equipment for firefighters:

protective gear. During a fire, toxic gases may be generated by thermal decomposition or combustion.

Hazardous decomposition products formed under fire conditions: carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides. Hazardous combustion products:

No data available. **Explosion data:** 



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**SECTION 6: ACCIDENTAL RELEASE MEASURES** 

Use proper personal protective equipment as indicated in section 8. Personal precautions:

Clean up spills immediately, observing precautions in the Protective Equipment section. Do not let Environmental precautions:

product enter drains.

Methods and materials for containment and cleaning up: Sweep up, and then place into a suitable container for disposal.

**SECTION 7: HANDLING AND STORAGE** 

Keep away from heat. Keep away from sources of ignition. Avoid formation of dust and aerosols. Provide appropriate exhaust Precautions for safe handling:

> ventilation where dust is formed. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice

immediately and show the container or the label. Avoid contact with skin and eyes.

Keep container tightly closed in a dry and well ventilated place. Ground all equipment containing material. Recommended long Conditions for safe storage:

term storage temperature -20°C.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended **Engineering Controls:** 

exposure limits.

Personal protective equipment

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode Respiratory protection:

with emergency escape provisions.

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer

surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws

and good laboratory practices. Wash and dry hands.

Wear safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under Eve protection:

appropriate government standards such as NIOSH (US) or EN166 (EU).

Wear appropriate gloves and clothing to prevent skin exposure. Skin and body protection:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before break and after the end of work day. Hygiene measures:

### **SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

White solid. Appearance: No data available. Odour: No data available. Odour threshold: :Ha No data available. No data available. Melting point/Freezing point: No data available. Initial boiling point/boiling range: No data available. Flash point: No data available. **Evaporation rate:** No data available. Flammability (solid; gas): No data available. Lower flammable/explosive limit: No data available. Upper flammable/explosive limit: No data available. Vapour pressure:

Vapour density: Acetone, DCM, Ethyl acetate, Methanol Solubility:

No data available.

No data available. Partition coefficient - n-octanol/water: Autoignition temperature: No data available. No data available. Decomposition temperature: No data available. Viscosity:

SECTION 10: STABILITY & REACTIVITY

Stable under recommended storage conditions. Chemical stability:

No data available. Conditions to avoid: No data available. Possibility of hazardous reactions: Incompatibilities: Strong oxidizing agents.

Hazardous decomposition products formed under fire conditions; carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides. Hazardous decompositions products:

**SECTION 11: TOXICOLOGICAL INFORMATION** 

**Acute Toxicity:** No data available.

Potential health effects:

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. May be harmful if absorbed through skin. Causes skin irritation. Skin:

Causes eye irritation. Eves: May be harmful if swallowed. Ingestion:



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Signs and symptoms of exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

No data available. **Ecotoxicity:** Persistence and degradability: No data available. Bioaccumulative potential: No data available. Mobility in soil: No data available.

Other adverse effects: May cause long lasting harmful effects to aquatic life in the event of unprofessional handling or disposal.

#### SECTION 13: DISPOSAL CONSIDERATION

Product: Dispose in a manner consistent with federal, state, and local regulations.

Dispose of as unused product. Contaminated packaging:

## **SECTION 14: TRANSPORT INFORMATION**

Not dangerous goods. DOT (US): IMDG: Not dangerous goods. Not dangerous goods. IATA:

UN number: Not available.

Ibrutinib Dihydrodiol, organic compound, solid. UN proper shipping name:

Not dangerous goods. Transport hazard class: Packing group: Not available.

Ship at room temperature. Special precautions:

#### **SECTION 15: REGULATORY INFORMATION**

CLASS D2B: Toxic material causing other toxic effects. Moderate skin/eye/respiratory tract irritant. General:

DSL/NDSL (Canada): This product is not listed on the Canadian DSL/NDSL. TSCA (US): This product is not listed on the US EPA TSCA. ECHA (EU): This product is not listed on the EU ECHA.

## **SECTION 16: OTHER INFORMATION**

# **Further 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 and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Expert Synthesis Solutions shall not be held liable for any damage resulting from handling or from contact with the above product.