

## Safety Data Sheet

**SU5416****EFFECTIVE DATE: 2015-05-21**

### 1 Product and Company Identification

- 1.1 **Product Name:** SU5416
- 1.2 **Product Identifier:** SU 5416
- 1.3 **Catalog Number:** 73442,73444
- 1.4 **Product Use:** Laboratory Chemical
- 1.5 **Manufacturer/Supplier:** STEMCELL Technologies  
Suite 500-1618 Station Street  
Vancouver, British Columbia V6A 1B6 Canada
- 1.6 **In Case of Emergency Call:** 1-800-667-0322

### 2 Hazards Identification

#### 2.1 Classification of the substance or mixture

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2

Target Organ Systemic Toxicity (single exposure), Category 3

#### 2.2 Label elements

##### Pictogram

**Signal word** Warning

##### Hazard statement(s)

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

##### Precautionary statement(s)

- P264 Wash {hands} thoroughly after handling.
- P280 Wear {protective gloves/protective clothing/eye protection/face protection}.
- P362 Take off contaminated clothing and wash it before reuse.
- P261 Avoid breathing {dust/fume/gas/mist/vapours/spray}.
- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P332+313 If skin irritation occurs, get medical advice/attention.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+313 If eye irritation persists, get medical advice/attention.
- P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a {POISON CENTER/doctor/...} if you feel unwell.

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**2.3 Other hazards** No data available

### 3 Composition / Information on Ingredients

#### 3.1 Substances

**Synonyms** 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-2H-indol-2-one; NSC 696819; Semaxinib; Sugen 5416; VEGFR 2 Kinase Inhibitor

**Molecular formula** C<sub>15</sub>H<sub>14</sub>N<sub>2</sub>O

**Molecular weight** 238.3

| Hazardous Components (Chemical Name)                                  | CAS #       | Concentration | EC # |
|---|-------------|---------------|------|
| 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-2H-indol-2-one | 204005-46-9 | 100%          | N/A  |

### 4 First Aid Measures

#### 4.1 Description of first aid measures

##### 4.1.1 If inhaled

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

##### 4.1.2 In case of skin contact

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

##### 4.1.3 In case of eye contact

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

##### 4.1.4 If swallowed

Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

#### 4.2 Most important symptoms and effects, both acute and delayed

The toxicological properties of this product have not been fully evaluated.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

### 5 Fire Fighting Measures

#### 5.1 Extinguishing Media

##### 5.1.1 Suitable Extinguishing Media

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.  
 Use water spray to cool fire-exposed containers.

##### 5.1.2 Unsuitable Extinguishing Media

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A solid water stream may be inefficient.

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

#### 5.2.1 Flammable Properties and Hazards

No data available

#### 5.2.2 Flash Pt

No data available

#### 5.2.3 Autoignition Pt

No data available

#### 5.2.4 Explosive Limits

LEL: No data available

UEL: No data available

#### 5.2.5 Hazardous Combustion Products

No data available

### 5.3 Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

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## 6 Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid raising and breathing dust, and provide adequate ventilation.

As conditions warrant, wear a NIOSH approved (or equivalent) self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

### 6.2 Environmental precautions

Take steps to avoid release into the environment, if safe to do so.

### 6.3 Methods and materials for containment and cleaning up

Contain spill and collect, as appropriate.

Transfer to a chemical waste container for disposal in accordance with local regulations.

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## 7 Handling and Storage

### 7.1 Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapours/spray.

Avoid prolonged or repeated exposure.

### 7.2 Conditions for safe storage

Keep container tightly closed.

Store in accordance with information listed on the product insert.

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## 8 Exposure Controls/Personal Protection

### 8.1 Exposure limits

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| Component   | CAS #       | Value             | Control parameters |
|---|-------------|-------------------|--------------------|
| 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methyl<br>ene]-1,3-dihydro-2H-indol-2-one | 204005-46-9 | No data available | No data available  |

### 8.2 Engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

### 8.3 Personal protective equipment

#### 8.3.1 Eye/face protection

Safety glasses

#### 8.3.2 Skin protection

Compatible chemical-resistant gloves  
 Lab coat

#### 8.3.3 Respiratory protection

NIOSH (US) or CEN (EU) approved respirator, as conditions warrant.

#### 8.3.4 General hygiene considerations

Do not take internally.  
 Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.  
 Wash thoroughly after handling.

#### 8.3.5 Environmental exposure controls

No data available

## 9 Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|  |  |
|--|--|
| Appearance                                   | A crystalline solid  |
| Odour  | No data available  |
| Odour threshold                              | No data available  |
| pH   | No data available  |
| Melting point/freezing point                 | No data available  |
| Boiling point/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  |
| Solubility                                   | ~0.3 mg/mL in 1:2 DMF:PBS (pH 7.2);<br>~0.25 mg/mL in EtOH; ~10 mg/mL in DMSO;<br>~30 mg/mL in DMF |
| Partition coefficient: n-octanol/water       | No data available  |

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|                           |                   |
|---------------------------|-------------------|
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity                 | No data available |

### 10 Stability and Reactivity

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | No data available                                    |
| <b>10.2 Chemical stability</b>                 | Stable   |
| <b>10.3 Possibility of hazardous reactions</b> | No data available                                    |
| <b>10.4 Conditions to avoid</b>                | No data available                                    |
| <b>10.5 Incompatible materials</b>             | Strong oxidizing agents                              |
| <b>10.6 Hazardous decomposition products</b>   | Carbon dioxide<br>Carbon monoxide<br>Nitrogen oxides |

### 11 Toxicological Information

#### 11.1 Acute toxicity

|             |   |
|-------------|---|
| Oral:       | No data available   |
| Inhalation: | No data available   |
| Dermal:     | No data available   |
| Other:      | Subcutaneous TDLO (mouse): 25 mg/kg; Intravenous TDLO (human): 56.3 mg/kg/8W (intermittent); Intraperitoneal TDLO (mouse): 200 mg/kg/28D (intermittent) |

#### 11.2 Skin corrosion/irritation

No data available

#### 11.3 Serious eye damage/eye irritation

No data available

#### 11.4 Respiratory and/or skin sensitization

No data available

#### 11.5 Germ cell mutagenicity

#### 11.6 Carcinogenicity

|        |   |
|--------|---|
| IARC:  | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| ACGIH: | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.            |
| NTP:   | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.                 |
| OSHA:  | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.             |

#### 11.7 Reproductive toxicity

No data available

#### 11.8 Specific target organ toxicity - single exposure

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No data available

**11.9 Specific target organ toxicity - repeated exposure**

No data available

**11.10 Aspiration hazard**

No data available

**11.11 Potential health effects**

Inhalation: Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation. May cause respiratory irritation.

Ingestion: May be harmful by ingestion.

Skin: Causes skin irritation. May be harmful by skin absorption.

Eyes: Causes serious eye irritation.

**11.12 Signs and symptoms of exposure**

Investigated as a drug and tumorigen.

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

**11.13 RTECS #**      NM3298716

**12 Ecological Information**

|   |  |
|---|--|
| <b>12.1 Toxicity</b>                      | Avoid release into the environment.<br>Runoff from fire control or dilution water may cause pollution. |
| <b>12.2 Persistence and degradability</b> | No data available  |
| <b>12.3 Bioaccumulative potential</b>     | No data available  |
| <b>12.4 Mobility in soil</b>              | No data available  |
| <b>12.5 Other adverse effects</b>         | No data available  |

**13 Disposal Considerations**

|                                    |  |
|------------------------------------|--|
| <b>13.1 Waste disposal method</b>  | Dispose in accordance with local, provincial/state, and federal regulations. |
| <b>13.2 Contaminated packaging</b> | Dispose of as unused product.  |

**14 Transport Information**

|  |  |
|--|--|
| <b>14.1 UN number</b>                  | No data available  |
| <b>14.2 UN proper shipping name</b>    | DOT            Not dangerous goods<br>ADR/RID      Not dangerous goods<br>IMDG          Not dangerous goods<br>IATA          Not dangerous goods |
| <b>14.3 Transport hazard class(es)</b> | No data available  |
| <b>14.4 Packing group</b>              | No data available  |

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- |                                   |                   |
|-----------------------------------|-------------------|
| <b>14.5 Environmental hazards</b> | No data available |
| <b>14.6 Special precautions</b>   | No data available |

### 15 Regulatory Information

#### 15.1 US EPA SARA Title III

| Hazardous Components (Chemical Name)                                  | CAS #       | Sec.302 (EHS) | Sec.304 RQ | Sec.313 (TRI) |
|---|-------------|---------------|------------|---------------|
| 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-2H-indol-2-one | 204005-46-9 | No            | No         | No            |

#### 15.2 Other US EPA or State Lists

| Hazardous Components (Chemical Name)                                  | CAS #       | CAA HAP, ODC | CWA NPDES | TSCA | CA PROP.65 |
|---|-------------|--------------|-----------|------|------------|
| 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-2H-indol-2-one | 204005-46-9 | No           | No        | No   | No         |

#### 15.3 EU

This SDS was prepared in accordance with Regulation (EC) No.1272/2008.

#### 15.4 Canada

WHMIS Classification:                    D2B                    Toxic Material Causing Other Toxic Effects.

This SDS was prepared in accordance with Hazardous Products Regulations (HPR) and WHMIS 2015.

### 16 Other Information

- 16.1 Prepared by:** Quality Control, STEMCELL Technologies Inc.
- 16.2 Revision:** N/A
- 16.3 Notice:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. STEMCELL Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the product. The information contained in this Safety Data Sheet (SDS) is current as of the Effective Date shown in this document and may be subject to amendment by STEMCELL Technologies Inc.
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