

WORTMANNIN EFFECTIVE DATE: 2015-05-23

1 Product and Company Identification

1.1 Product Name: Wortmannin
1.2 Product Identifier: Wortmannin
1.3 Catalog Number: 73562, 73564

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

Acute Toxicity: Oral, Category 1
Acute Toxicity: Skin, Category 2
Acute Toxicity: Inhalation, Category 1

2.2 Label elements

Pictogram



Signal word Danger

Hazard statement(s)

H300 Fatal if swallowed.
H310 Fatal in contact with skin

H330 Fatal if inhaled.

Precautionary statement(s)

P264 Wash hands thoroughly after handling.
P262 Do not get in eyes, on skin, or on clothing.

P280 Wear protective gloves/clothing and eye/face protection as

specified by the manufacturer/supplier or the competent

authority.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P284 Wear respiratory protection. as specified by the manufacturer/supplier or the competent authority.

P270 Do not eat, drink or smoke when using this product.

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or

doctor/physician.

P330 Rinse mouth.

P361 Remove/Take off immediately all contaminated clothing.
P302+350 IF ON SKIN: Gently wash with plenty of soap and water.

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P310 Immediately call a POISON CENTER or doctor/physician.

P363 Wash contaminated clothing before reuse.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a

position comfortable for breathing.

2.3 Other hazards No data available

3 Composition / Information on Ingredients

3.1 Substances

Synonyms 11-(acetyloxy)-1S,6bR,7,8,9aS,10,11R,11bR-octahydro-1-

(methoxymethyl)-9a,11b-dimethyl-3H-furo[4,3,2-de]indeno[4,5-

h]-2-benzopyran-3,6,9-trione; KY 12420

Hazardous Components (Chemical Name)	CAS#	Concentration	EC#
11-(acetyloxy)-1S,6bR,7,8,9aS,10,11R,11bR-octa hydro-1-(methoxymethyl)-9a,11b-dimethyl-3H-furo [4,3,2-de]indeno[4,5-h]-2-benzopyran-3,6,9-trione	19545-26-7	100%	606-337-5

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

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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

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.

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.

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

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Keep container tightly closed.

Store in accordance with information listed on the product insert.

8 Exposure Controls/Personal Protection

8.1 Exposure limits

C	Component	CAS#	Value	Control parameters
h	1-(acetyloxy)-1S,6bR,7,8,9aS,10,11R,11bR-octa hydro-1-(methoxymethyl)-9a,11b-dimethyl-3H-furo 4,3,2-de]indeno[4,5-h]-2-benzopyran-3,6,9-trione	19545-26-7	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

A crystalline solid **Appearance** Odour No data available Odour threshold No data available No data available pН 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

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Vapour pressure

Vapour density

No data available

No data available

No data available

No data available

Solubility ~0.1 mg/mL in 1:8 DMSO:PBS (pH 7.2);

~0.15 mg/mL in EtOH; ~14 mg/mL in DMF &

DMSC

Partition coefficient: n-octanol/water

Auto-ignition temperature

Decomposition temperature

Viscosity

No data available

No data available

No data available

10 Stability and Reactivity

10.1 Reactivity No data available

10.2 Chemical stability Stable

10.3 Possibility of hazardous reactions
 10.4 Conditions to avoid
 10.5 Incompatible materials
 No data available
 Strong acids

Strong bases

10.6 Hazardous decomposition productsCarbon dioxide
Carbon monoxide

11 Toxicological Information

11.1 Acute toxicity

Oral: No data available
Inhalation: No data available
Dermal: No data available

Other: Intraperitoneal LD50 (mouse): 18 mg/kg

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

Investigated as a reproductive effector.

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.

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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

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: May be fatal if inhaled. Material may be irritating to the mucous membranes and

upper respiratory tract. May cause respiratory irritation.

Ingestion: May be fatal if swallowed.

Skin: May be fatal if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

11.12 Signs and symptoms of exposure

May cause gastric or myocardial hemorrhage.

Target organs: heart

To the best of our knowledge, the chemical, physical, and toxicological properties have not

been thoroughly investigated.

11.13 RTECS # CB9641000

12 Ecological Information

12.1 Toxicity Avoid release into the environment.

Runoff from fire control or dilution water may cause

pollution.

12.2 Persistence and degradability No data available

12.3 Bioaccumulative potential No data available

12.4 Mobility in soil No data available

12.5 Other adverse effects No data available

13 Disposal Considerations

13.1 Waste disposal method

Dispose in accordance with local, provincial/state, and federal regulations.

13.2 Contaminated packaging

Dispose of as unused product.

14 Transport Information

14.1 UN number DOT 2811 ADR/RID 2811

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WORTMANNIN	IMDG 2811 IATA 2811					
	2 =					
14.2 UN proper shipping name	DOT Toxic solid, organic, n.o.s. (Wortmannin) ADR/RID Toxic solid, organic, n.o.s. (Wortmannin) IMDG Toxic solid, organic, n.o.s. (Wortmannin) IATA Toxic solid, organic, n.o.s. (Wortmannin)					
14.3 Transport hazard class(es)	DOT 6.1 - POISON ADR/RID 6.1 - POISON IMDG 6.1 - POISON IATA 6.1 - POISON					
14.4 Packing group	DOT II ADR/RID II IMDG II IATA II					
14.5 Environmental hazards	No data available					
14.6 Special precautions	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)
11-(acetyloxy)-1S,6bR,7,8,9aS,10,11R,11bR-octahydro-1-(methoxymethyl)-9a,11b-dimethyl-3H-furo[4,3,2-de]indeno[4,5-h]-2-benzopyran-3,6,9-trione	19545-26-7	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
11-(acetyloxy)-1S,6bR,7,8,9aS,10,11R,11bR-octahydro-1-(methoxymethyl)-9a,11b-dimethyl-3H-furo[4,3,2-de]indeno[4,5-h]-2-benzopyran-3,6,9-trione	19545-26-7	No	No	No	No

15.3 EU

This SDS was prepared in accordance with Regulation (EC) No.1272/2008 and European Directive 67/548/EEC as amended.

15.4 Canada

WHMIS Classification: D1A Very Toxic Material Causing Immediate and Serious

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.

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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.

16.4 Disclaimer: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT INTENDED FOR

HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES.

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