


1. IDENTIFICATION

- | | |
|----------------------------|---|
| 1.1. Product Name | Stemolecule™ WH4-023 |
| 1.2. Catalog Number | 04-0079 |
| 1.3. Uses and restrictions | For research use only. Not for use in diagnostic or therapeutic applications |
| 1.4. Manufacturer/Supplier | Stemgent, Inc.
51 Moulton St.
Cambridge, MA 02138 USA
(617) 245-0000 |
| 1.5. In Case of Emergency | <ul style="list-style-type: none">• For medical emergencies, contact your local emergency center.• For transportation emergencies, contact your local transportation authorities.• For other non-medical or environmental emergencies please call (617) 245-0030, 8:00 am-4:00 pm EST, Monday – Friday. |

2. HAZARDS IDENTIFICATION

- | | |
|--|---|
| 2.1. Classification | GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) <ul style="list-style-type: none">• Acute toxicity, Oral (Category 4), H302.• Chronic aquatic toxicity (Category 4), H413. |
| 2.2. Signal Word | Warning. |
| 2.3. Symbol |  |
| 2.4. Hazard Statement(s) | <ul style="list-style-type: none">• H302 Harmful if swallowed.• H413 May cause long lasting harmful effects to aquatic life. |
| 2.5. Precautionary Statement(s) | <ul style="list-style-type: none">• P264 Wash skin thoroughly after handling.• P270 Do not eat, drink or smoke when using this product.• P273 Avoid release to the environment.• P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell• P330 Rinse mouth.• P501 Dispose of contents/ container to an approved waste disposal plant. |
| 2.6. Hazards not otherwise classified (HNOC) or not covered by GHS | None. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

- | | |
|-----------------------|---|
| 3.1. Chemical Name | Stemolecule™ WH4-023 |
| 3.2. Synonyms | <ul style="list-style-type: none">• 2,6-dimethylphenyl 2,4-dimethoxyphenyl(2-(4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-yl)carbamate• KIN001-112 |
| 3.3. Chemical Formula | C ₃₂ H ₃₆ N ₆ O ₄ |
| 3.4. Molecular Weight | 568.67 g/mol |

REPROCELL GROUP COMPANIES



Order T: 1-800-405-3DNA (3362)☎
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705 USA



Order T: 877.228.9783
51 Moulton Street
Cambridge, MA 02138, USA



Order T: +44 (0) 1740 625 266
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM

3.5. CAS Number 837422-57-8

4. FIRST AID MEASURES

4.1 First Aid Instructions

- General Advice Move out of exposure area. Consult a physician.
- Eyes Check for and remove contact lenses immediately and flush thoroughly with water for at least 15 minutes. Call a physician.
- Skin Immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Contact a physician.
- Ingestion If swallowed, wash mouth out with water provided person is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.
- Inhalation If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call a physician.
- Puncture Wounds Wash thoroughly with soap and water. Allow wound to bleed freely. Contact a physician.

4.2 Most Important Symptoms/effects, acute and immediate

Described in section 2.

4.3 Indications of immediate medical attention and special treatment needed

No data available.

5. FIRE FIGHTING MEASURES

5.1. Suitable extinguishing media.

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Specific hazards arising from the chemical

No data available.

5.3. Special protective equipment and precautions for fire-fighters

Wear self contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment (see section 8). Avoid direct contact with skin or eyes and prevent inhalation of dust.

6.2 Environmental Precautions

Do not let product enter drains.

6.3 Methods and materials for containment and clean up

Sweep into an appropriate container. Avoid raising dust. Ensure complete closure of container. Wipe the residual material at the spill site with paper towel dampened with water. Dispose waste following proper disposal method (see section 13).

7. HANDLING AND STORAGE

REPROCELL GROUP COMPANIES



Order T: 1-800-405-3DNA (3362)☎
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705 USA



Order T: 877.228.9783
51 Moulton Street
Cambridge, MA 02138, USA



Order T: +44 (0) 1740 625 266
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM

- 7.1 Precautions for safe handling
- Avoid inhalation, contact with eyes, skin, and clothing.
 - Avoid prolonged or repeated exposure.
 - Provide appropriate exhaust ventilation at places where dust is formed.
 - For other precautions see section 2.5.
- 7.2 Conditions for safe storage, including any incompatibilities
- Keep tightly closed. Store at 4 °C protected from light. Following reconstitution, store aliquots at -20 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. Control Parameters
- No known occupational exposure limits values.
- 8.2. Appropriate engineering controls
- Safety shower and eye bath. Mechanical exhaust required.
- 8.3. Protection measures and Personal Protective Equipment
- Respiratory Protection
- Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.
- Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.
- Eye Protection
 - Skin Protection
- Chemical safety goggles.
- Protective gloves and lab coat.

9. PHYSICAL/CHEMICAL PROPERTIES

- 9.1. Appearance
- Off white or brown solid.
- 9.2. Odor
- No data available.
- 9.3. Odor Threshold
- No data available.
- 9.4. pH
- No data available.
- 9.5. Melting point/freezing point
- No data available.
- 9.6. Initial boiling point and boiling range
- No data available.
- 9.7. Flash point
- No data available.
- 9.8. Evaporation rate
- No data available.
- 9.9. Flammability (solid, gas);
- No data available.
- 9.10. Upper/lower flammability or explosive limits
- No data available.
- 9.11. Vapor pressure
- No data available.
- 9.12. Vapor density
- No data available.
- 9.13. Relative density
- No data available.
- 9.14. Solubility(ies)
- 100mM in Dimethylsulfoxide, 2.5mM in 200-Proof Ethanol, <1mM in Water.
- 9.15. Partition coefficient: n-octanol/water
- No data available.
- 9.16. Auto-ignition temperature
- No data available.
- 9.17. Decomposition temperature
- No data available.

REPROCELL GROUP COMPANIES



Order T: 1-800-405-3DNA (3362) ☎
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705 USA



Order T: 877.228.9783
51 Moulton Street
Cambridge, MA 02138, USA



Order T: +44 (0) 1740 625 266
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM

9.18. Viscosity No data available.

10. STABILITY/REACTIVITY

10.1. Reactivity No data available.
10.2. Chemical Stability This product is stable under recommended storage conditions.
10.3. Possibility of hazardous reactions No data available.
10.4. Conditions to Avoid Avoid light and high temperature.
10.5. Incompatible materials Strong oxidizing agents.
10.6. Hazardous decomposition products No data available.

11. TOXICOLOGICAL INFORMATION

11.1. Toxicological effects No data available.

- Acute toxicity No data available.
- Skin corrosion/irritation No data available.
- Serious eye damage/eye irritation No data available.
- Respiratory or skin sensitization No data available.
- Germ cell mutagenicity No data available.
- Carcinogenicity
 - IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
 - ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
 - NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.
 - OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
- Reproductive Toxicity No data available.
- Specific target organ toxicity - single exposure No data available.
- Specific target organ toxicity - repeated exposure No data available.
- Aspiration hazard No data available.

11.2. Symptoms related to the physical, chemical and toxicological characteristics No data available.

11.3. Effects of Short-Term Exposure No data available.

11.4. Effects of Long-Term Exposure No data available.

11.5. Numerical measures of toxicity No data available.

REPROCELL GROUP COMPANIES



Order T: 1-800-405-3DNA (3362)
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705 USA



Order T: 877.228.9783
51 Moulton Street
Cambridge, MA 02138, USA



Order T: +44 (0) 1740 625 266
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM

11.6. Other Information None.

12. ECOLOGICAL INFORMATION

12.1. Toxicity No data available.
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. Results of PBT and vPvB assessment No data available.
12.6. Other adverse effects No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Disposal Method Unused product and contaminated waste must be disposed of in accordance with federal, state, and local environmental control regulations.
13.2. Personal safety Refer to section 8.

14. TRANSPORT INFORMATION

This product is considered non-hazardous for transport.

15. REGULATORY INFORMATION

U.S. Federal Regulations

- SARA 313 components Does not contain any components subject to reporting.
- SARA 302 components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels.
- SARA 311/312 Hazards Does not contain any components subject to reporting.
- Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61) Does not contain any components subject to reporting.

U.S. State Regulations

- California Proposition 65 Does not contain any components subject to reporting.
- Massachusetts Right To Know Components Does not contain any components subject to reporting.
- Pennsylvania Right To Know Components WH4-023, CAS No. 837422-57-8
- New Jersey Right To Know Components WH4-023, CAS No. 837422-57-8

WHMIS Hazard Class Not controlled under WHMIS (Canada).

REPROCELL GROUP COMPANIES



Order T: 1-800-405-3DNA (3362)☎
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705 USA



Order T: 877.228.9783
51 Moulton Street
Cambridge, MA 02138, USA



Order T: +44 (0) 1740 625 266
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM

16. OTHER INFORMATION

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. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Stemgent, Inc. shall not be held liable for any damage resulting from handling or from contact with the product. See Stemgent, Inc. website for terms and conditions of sale.

Preparation Date

December 1, 2014

Version No.

1.1

Prepared by

Quality Control

END OF SAFETY DATA SHEET

REPROCELL GROUP COMPANIES



Order T: 1-800-405-3DNA (3362) ☎
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705 USA



Order T: 877.228.9783
51 Moulton Street
Cambridge, MA 02138, USA



Order T: +44 (0) 1740 625 266
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM