


SAFETY DATA SHEET

1. IDENTIFICATION

- | | |
|----------------------------|---|
| 1.1. Product Name | Stemolecule™ IM-12 |
| 1.2. Catalog Number | 04-0081 |
| 1.3. Uses and restrictions | For research use only. Not for use in diagnostic or therapeutic applications |
| 1.4. Manufacturer/Supplier | Stemgent®, Inc.
4 Hartwell Place
Lexington, MA 02421 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 non-environmental emergencies please call (617) 245-0000, 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 H413 |
| 2.5. Precautionary Statement(s) | <ul style="list-style-type: none"> Harmful if swallowed. May cause long lasting harmful effects to aquatic life. |
| 2.6. Hazards not otherwise classified (HNOC) or not covered by GHS | <ul style="list-style-type: none"> Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Dispose of contents/ container to an approved waste disposal plant. None. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

- | | |
|-----------------------|--|
| 3.1. Chemical Name | Stemolecule™ IM-12 |
| 3.2. Synonyms | 3-[2-(4-Fluorophenyl)ethylamino]-1-methyl-4-(2-methyl-1H-indol-3-yl) |
| 3.3. Chemical Formula | C22H20FN3O2 |



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3.4. Molecular Weight 377.4 g/mol
 3.5. CAS Number 1129669-05-1

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).



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7. HANDLING AND STORAGE

- 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
- Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.
- Respiratory Protection
- 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
- Orange 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, 10mM in 200-Proof Ethanol, <1mM in Water.



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9.15. Partition coefficient: n-octanol/water	log Pow: 4.194.
9.16. Auto-ignition temperature	No data available.
9.17. Decomposition temperature	No data available.
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.
<ul style="list-style-type: none"> • Acute toxicity • Skin corrosion/irritation • Serious eye damage/eye irritation • Respiratory or skin sensitization • Germ cell mutagenicity • Carcinogenicity 	<p>No data available.</p> <ul style="list-style-type: none"> • 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.



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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.
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	Not applicable.
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	Acute Health Hazard.
• 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.
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• Massachusetts Right To Know Components	Does not contain any components subject to reporting.
• Pennsylvania Right To Know Components	IM-12, CAS No. 1129669-05-1
• New Jersey Right To Know Components	IM-12, CAS No. 1129669-05-1
WHMIS Hazard Class	Not controlled under WHMIS (Canada).

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	March 31, 2016
Version No.	1.2
Prepared by	Quality Control

END OF SAFETY DATA SHEET



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