

SAFETY DATA SHEET

Version 1.0

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An SDS is not required for this product by the OSHA Hazard Communication Standard (29 CFR 1910.1200) because, when used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use of this product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may present potential health and safety hazards.

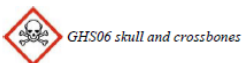
Section 1. Chemical Product and Company Identification

Product Name: SecoSet Reagent Kit
Catalogue Number 48001-201
Supplier: **Novilytic LLC**
4519 State Road 13 South
North Webster, IN 46555
USA
Phone 800-348-5174
Fax 574-834-7427

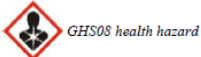
Emergency Response 800-348-5174

Section 2. Hazards Identification

Physical State Solid
Odor Not available
OSHA Classification No ingredients are hazardous according to OSHA criteria.
Classification according to EC 1272/2008



Acute Tox. 3 H331 Toxic if inhaled.



STOT SE 1 H370-H335 Causes damage to organs. May cause respiratory irritation.



Eye Dam. 1 H318 Causes serious eye damage.



Skin Irrit. 2 H315 Causes skin irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



R23/24/25-39/23/24/25: Toxic by inhalation, in contact with skin and if swallowed. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

No hazards not otherwise classified (HNOC) or not covered by GHS

No notes to Physician

Section 3. Composition/information on ingredients

SecoSet Reagent Kit		Novilytic PN 990	All components in Dry Powder Form				
	Description	Qty	Chemical	CAS Number	Weight	Percent	Chemical Formula
1	Sealed 2 mL vial	2	Iodobenzene Diacetate	3240-34-4	< 5 mg	> 95%	C10-H11-I-O4
2	Sealed 2 mL vial	2	4-(1-methyl-4-pyridinylmethyl)-1,2,4-triazolidine-3,5-dione	NONE	< 5 mg	> 95%	C9-H11-N4-O2
3	Sealed 2 mL vial	2	Ascorbic acid	50-81-7	< 20 mg	> 95%	C6-H8-O6

Section 4. First aid measures

4.1 Description of first aid measures

Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Skin Contact:

Wash off with soap and plenty of water.

Eyes: Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation continues.

Skin: Flush eyes with water as a precaution.

Inhalation: Use in well ventilated laboratory to reduce microscopic levels (< 5 mg/m³) of dust

Ingestion: Rinse the victim's mouth with plenty of water. Do not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

4.3 Indication of any immediate medical attention and special treatment required

No data available.

Section 5. Fire Fighting Measures

5.1 Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx)

Hazardous Decomposition or By-Products

Substance

Carbon monoxide
Carbon dioxide
Nitrogen oxides

Condition

During Combustion
During Combustion
During Combustion

5.3 Special protective actions for fire-fighters,

Breathing apparatus recommended

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.
For personal protection see section 8.

6.2. Environmental precautions

Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and storage

7.1 Precautions to be Taken In Handling and Storage:

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Keep in cool, dry place away from open flame.

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use.

Reagent to derivatize secosteroids for analysis by mass spectrometry. No other specific uses are stipulated

Section 8. Exposure controls/personal protection

8.1 Personal Protective Equipment:

Contains no substances with occupational exposure limit values

RESPIRATORY PROTECTION -- Not applicable for product in purchased form.

PROTECTIVE GLOVES -- Not applicable for product in purchased form

EYE PROTECTION -- Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

SKIN 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.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT -- Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

WORK/HYGIENE PRACTICES – No respiratory protection required.

8.2 Ventilation:

LOCAL EXHAUST -- Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (GENERAL) -- Provide general ventilation in processing and storage areas so that exposure limits are met.

SPECIAL -- None.

OTHER -- None.

Section 9. Physical/Chemical Properties

General Physical Form:	crystalline solid
Specific Physical Form:	no data available
Odor, Color, Grade:	no data available
Odor threshold	no data available
pH	no data available
Melting point	165 - 170 °C (329 - 338 °F)
Boiling Point	no data available
Flash Point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Flammable Limits(LEL)	no data available
Flammable Limits(UEL)	no data available
Vapor Pressure	no data available
Vapor Density	no data available
Density	no data available
Specific Gravity	no data available
Solubility in Water	no data available
Decomposition temperature	no data available
Viscosity	no data available

Section 10. Stability and reactivity

Reactivity: Stable under recommended storage conditions.

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Conditions to Avoid: Avoid open flame and sparks.

Possibility of hazardous reactions: No data available

Incompatibility (Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition or By-Products: Other decomposition products - no data available

In the event of fire: see section 5.

Section 11. Toxicological Information

Acute Effects: No data available.

Skin Corrosion/Irritation: No data available.

Serious Eye Damage/Irritation: No data available.

Inhalation: No data available

Respiratory or Skin Sensitization: No data available

Chronic Effects: No data available

Germ Cell Mutagenicity: No data available.

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.

Reproductive Toxicity: No data available.

STOT-single Exposure: No data available.
STOT –multiple Exposure: No data available.
Aspiration Hazard: No data available.

Section 12. Ecological Information

Toxicity - no data available

Persistence and degradability - no data available

Bioaccumulative potential - no data available

Mobility in soil - no data available

Results of PBT and vPvB assessment -

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Section 13. Disposal considerations

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

Section 14. Transportation information

DOT (US) - Not dangerous goods

IMDG - Not dangerous goods

IATA - Not dangerous goods

Section 15. Regulatory information

SARA 302 Components - No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components - SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards - No SARA Hazards

Massachusetts Right To Know Component - No components are subject to the Massachusetts Right to Know Act.

California Prop. 65 Components - This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Contact Novilytic for more information

Section 16. Other information

NFPA Hazard Classification

Health: 0 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

Hazard data contained herein was obtained from raw material suppliers. The information presented is believed to be factual, as it was derived from the works and opinions of persons believed to be qualified. However, no facts contained in the information are to be taken as a warranty, or representation, for which Novilytic LLC bears legal responsibility. The user should review any recommendation in the specific context of the intended use to determine if they are appropriate.