

N-Acetyl-S-geranylgeranyl-L-cysteine (AGGC): sc-200843



The Power to Question

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Catalog Number: sc-200843

Product Name: N-Acetyl-S-geranylgeranyl-L-cysteine (AGGC)

Supplier:

Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800

Emergency:

ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255
(1-800-CHEMCALL) or call +613 9573 3112

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA Exposure Limits:
N-ACETYL-S-GERANYLGERANYL-L-CYSTEINE	139332-94-8	90 - 100%	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May cause skin irritation and/or dermatitis

Principle routes of exposure: Skin

Inhalation: May cause irritation of respiratory tract

Ingestion: May be harmful if swallowed.

Skin contact: May cause allergic skin reaction

Eye contact: Avoid contact with eyes

Statements of hazard MAY CAUSE ALLERGIC SKIN REACTION.

Statement of Spill or Leak - ANSI Label Eliminate all ignition sources. Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.

4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water and seek medical advice

Ingestion: Do not induce vomiting without medical advice.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Protection of first-aiders: No information available

Medical conditions aggravated by exposure: None known

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

Specific hazards:

Unusual hazards:

Special protective equipment for firefighters:

Use dry chemical, CO₂, water spray or "alcohol" foam

Burning produces irritant fumes.

None known

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Water mist may be used to cool closed containers.

Not determined

Not determined

Specific methods:

Flash point:

Autoignition temperature:

NFPA rating:

NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment.

Environmental precautions:

Prevent product from entering drains.

Methods for cleaning up:

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Storage:

-20°C

Handling:

Use only in area provided with appropriate exhaust ventilation.

Safe handling advice:

Wear personal protective equipment.

Incompatible products:

Oxidising and spontaneously flammable products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

Hand protection: Pvc or other plastic material gloves

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection: Safety glasses with side-shields

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Liquid

Formula:

C₂₅H₄₁NO₃S

Molecular weight:

435.7

Melting point/range:

No data available at this time.

Boiling point/range:

No Data available at this time.

Density:

No data available

Vapor pressure:

No data available

Evaporation rate:

No data available

Vapor density:

No data available

Solubility (in water):

No data available

Flash point:

Not determined

Autoignition temperature:

Not determined

10. STABILITY AND REACTIVITY

Stability:

Stable under recommended storage conditions.

Polymerization:

None under normal processing.

Hazardous decomposition products:

Nitrogen oxides (NO_x)/ammonia/CN⁻, Sulphur oxides

Materials to avoid:

Strong oxidising agents

Conditions to avoid:

Exposure to air or moisture over prolonged periods.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Components

N-ACETYL-S-GERANYLGERANYL-L-CYSTEINE

RTECS Number:

Not Available

Selected LD₅₀s and LC₅₀s

Not Determined

Chronic toxicity:	Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.
Local effects:	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Specific effects:	May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.
Primary irritation:	No data is available on the product itself.
Carcinogenic effects:	No data is available on the product itself.
Mutagenic effects:	No data is available on the product itself.
Reproductive toxicity:	No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Mobility:	No data available
Bioaccumulation:	No data available
Ecotoxicity effects:	No data available
Aquatic toxicity:	May cause long-term adverse effects in the aquatic environment.

Components N-ACETYL-S-GERANYLGERANYL-L-CYSTEINE	U.S. DOT - Appendix B - Marine Pollutan Not Listed	U.S. DOT - Appendix B - Severe Marine Pollutants Not Listed	United Kingdom - The Red List: Not Listed
Components N-ACETYL-S-GERANYLGERANYL-L-CYSTEINE	Germany VCI (WGK) Not Listed	World Health Organization (WHO) - Drinking Water Not Listed	Ecotoxicity - Fish Species Data Not Listed
Components N-ACETYL-S-GERANYLGERANYL-L-CYSTEINE	Ecotoxicity - Freshwater Algae Data Not Listed	Ecotoxicity - Microtox Data Not Listed	Ecotoxicity - Water Flea Data Not Listed
Components N-ACETYL-S-GERANYLGERANYL-L-CYSTEINE	EPA - ATSDR Priority List Not Listed	EPA - HPV Challenge Program Chemical List Not Listed	California - Priority Toxic Pollutants Not Listed
Components N-ACETYL-S-GERANYLGERANYL-L-CYSTEINE	California - Priority Toxic Pollutants Not Listed	California - Priority Toxic Pollutants Not Listed	

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.
Contaminated packaging:	Do not re-use empty containers

14. TRANSPORT INFORMATION

UN/Id No: Not regulated

DOT:

Proper shipping name: Not Regulated

Components **U.S. DOT - Appendix A Table 1 - Reportable Quantities**
N-ACETYL-S-GERANYLGERANYL-L-CYSTEINE Not Listed

TDG (Canada):**WHMIS hazard class:**

Non-controlled

IMDG/IMO**IMDG - Hazard Classifications**

Not Applicable

Components**U.S. DOT - Appendix B - Marine Pollutan****U.S. DOT - Appendix B - Severe Marine
Pollutants**N-ACETYL-S-GERANYLGERANYL-
L-CYSTEINE Not Listed

Not Listed

IMO-labels:**15. REGULATORY INFORMATION****International Inventories****Components**

N-ACETYL-S-GERANYLGERANYL-L-CYSTEINE

Inventory - United States TSCA - Sect. 8(b)

Not Listed

Canada DSL Inventory List -

Not Listed

U.S. regulations:**Components**N-ACETYL-S-
GERANYLGERANYL-L-
CYSTEINE**California Proposition 65**-
Not Listed**Massachusetts Right to
Know List:**

Not Listed

**New Jersey Right to
Know List:**

Not Listed

**Pennsylvania Right to Know
List:**

Not Listed

ComponentsN-ACETYL-S-
GERANYLGERANYL-L-
CYSTEINE**Florida substance List:**

Not Listed

**Rhode Island Right to
Know List:**

Not Listed

**Illinois - Toxic Air
Contaminants**

Not Listed

**Connecticut - Hazardous Air
Pollutants**

Not Listed

ComponentsN-ACETYL-S-
GERANYLGERANYL-L-
CYSTEINE**SARA 313 Emission
reporting/Toxic Release
of Chemicals**

Not Listed

**CERCLA/SARA - Section
302 Extremely Haz**

Not Listed

NTP:

None

IARC:

None

SARA 313 Notification:

The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

State Notification:

The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.