



## MATERIAL SAFETY DATA SHEET

**PRODUCT:** Herbimycin

**PRODUCT USEAGE:** This product is supplied with the intention that it is for laboratory research use only. It must not, under any circumstances, be used for human, drug, food, cosmetic, agricultural, domestic or any other use. This product must only be handled and used by suitably qualified personnel in an appropriately equipped laboratory.

**CHEMICAL IDENTIFICATION:**  
**Name:** Herbimycin A from *Streptomyces Hygroscopicus*  
**CAS#:** 70563-58-5  
**MF:** C30H42N2O9

Synonyms: Antibiotic Tan 420F \* Herbimycin A \*

**HAZARDS IDENTIFICATION:**  
**Label Precautionary Statements:**  
Caution:  
Avoid Contact And Inhalation.  
Possible Sensitizer.  
Calif. Prop. 65 Reproductive Hazard.

**FIRST AID MEASURES:**  
If swallowed, wash out mouth with water provided person is conscious call a physician. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician. In case of contact, immediately wash skin with soap and copious amounts of water. In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eye lids with fingers. Call a physician.

**FIRE FIGHTING MEASURES:**  
**Extinguishing media:** Dry chemical powder, carbon dioxide, water spray or polymer foam.  
**Fire fighting procedures:** Wear self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.  
**Unusual Fire and Explosive Hazards:** Emits toxic fumes under fire conditions.

**ACCIDENTAL RELEASE MEASURES:**  
**Steps to be Taken if Material is Released or Spilled:**  
Exercise appropriate precautions to minimize direct contact with Skin or eyes and prevent inhalation of dust. Spilled material should be carefully wiped up or moistened with water and removed.



## HANDLING AND STORAGE:

Safety shower and eye bath  
Wash thoroughly after handling  
Avoid inhalation  
Avoid contact with eyes, skin and clothing  
Avoid prolonged or repeated exposure  
Keep container closed  
Refrigerate  
Store in the dark  
Desiccate

## EXPOSURE CONTROLS/PERSONAL PROTECTION:

**Protective equipment:** Wear suitable protective clothing, such as chemical resistant gloves and chemical safety goggles.  
**Respiratory Protection and Ventilation:** Use a NIOSH/MSHA approved respirator. Handle in a chemical fume hood with adequate ventilation.

## PHYSICAL AND CHEMICAL PROPERTIES:

**Appearance:** Solid

## STABILITY AND REACTIVITY:

**Stability:** Stable under normal handling procedures.  
**Incompatibles:** Avoid contact with strong oxidizing agents, sensitive to moisture and light.  
**Hazardous combustion or decomposition products:** Nature of decomposition products not known. Hazardous polymerization will not occur.

## TOXICOLOGICAL INFORMATION:

**Acute effects:** May cause skin irritation. May cause eye irritation. Material may be irritating to mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. The toxicological properties have not been thoroughly investigated.

**RTECS #:** Ix8930000 Geldanamycin, 17-Demethoxy-15-Methoxy-11-O-Methyl-, (15r)-

### **Toxicity data:**

**IPR-MUS LD50:** 19 mg/kg

**JANTAJ** 33,1114,1980

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

## ECOLOGICAL INFORMATION:

No information available.



**DISPOSAL CONSIDERATIONS:**

Country, federal, state, and local regulations are varied and change frequently. For this reason, we recommend that you contact your local Department of Health Services for information on the disposal of this product or arrange for disposal by a licensed disposal company.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**TRANSPORT INFORMATION:**

Contact A.G. Scientific, Inc. for transportation information.

**REGULATORY INFORMATION:**

***European information:***

Caution: Substance not yet fully tested.

***U.S. Information:***

***California Proposition 65:***

This product is or contains chemical(s) known to the state of California to cause developmental toxicity.

**OTHER INFORMATION:**

Material should only be handled by qualified, experienced professionals. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for experienced personnel. **A.G. Scientific, Inc.** shall not be held liable for any damage resulting from the handling or from contact with the above product.

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