

# MSDS (MATERIAL SAFETY DATA SHEET)

## 1. COMPANY IDENTIFICATION

Company Name        Heteroz LLC  
  
Address                4030 Wake Forest Rd Ste. 300 Raleigh, NC 27609  
Telephone            +1 (984) 888-2676

## 2. PRODUCT IDENTIFICATION

Product Name        **PODOPHYLLOTOXIN**  
Product Number     HET170005  
CAS Number         518-28-5  
Formula              C22H22O8  
Molecular weight    414.41 g/mol

## 3. HAZARDS IDENTIFICATION-Warning

Irritant to skin and eyes.  
May cause respiratory irritation.  
Avoid breathing dust/ fume/ mist/ vapors/ spray.  
The product is for research and development use only.

## 4. FIRST AID MEASURES

Eye Contact            Immediately flush eyes with clean, running water for at least 15 minutes while Keeping eyes open. Seek medical attention.  
  
Skin Contact            Wash off with soap and plenty of water. Seek medical attention.  
Inhalation              Remove the victim from the source of exposure to fresh air. If not breathing artificial respiration. Seek medical attention.  
  
Ingestion                Rinse mouth with water. Seek medical attention.

## 5. FIRE-FIGHTING MEASURES

Extinguishing media    Carbon dioxide, dry chemical powder, alcohol or polymer foam.  
Special fire-fighting procedures    Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
  
Unusual fire and explosion hazards/ decomposition of product        Emits toxic fumes under fire conditions.

## 6. HANDLING AND STORAGE INFORMATION

Precaution for safe Handling                    Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Keep container tightly closed. Store in a cool, dry, and well-ventilated place.

## 7. ACCIDENTAL RELEASE MEASURES

If material is accidentally spilled then wear appropriate respirator, impervious boots and heavy rubber gloves. Scoop up solid material or absorb liquid material and place into

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appropriate container. Ventilate area and wash affected spill area. Place solid or absorbed material into containers and tightly close for disposal. Do not let product enter drains.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Avoid all direct contact with product. Wear protective and safety gloves. Wear chemical-resistant gloves. Wear protective clothing and boots. Ensure ventilation during use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE White to off-white powder

MELTING POINT No data available

BOILING POINT No data available

WATER SOLUBILITY No data available

## 10. STABILITY AND REACTIVITY

Stable under recommended storage conditions. Hazardous decomposition products for under fire conditions – Carbon oxide and nitrogen oxide.

## 11. TOXICOLOGICAL INFORMATION

No data available

## 12. CARCINOGENICITY

No data available

## 13. DISPOSAL CONSIDERATIONS

Dissolve or mix the material with a combustible solvent and burn in a regulated, chemical incinerator equipped with after burner and scrubber. Observe all federal, state and local laws. Otherwise, offer surplus material to a licensed disposal company.

## 14. TRANSPORT INFORMATION

### DOT

Classed nonhazardous for shipping.

### IMDG

Classed nonhazardous for shipping.

### IATA

Classed nonhazardous for shipping.

## 15. REGULATORY INFORMATION

No known information

## 16. OTHER INFORMATION

The information contained here is accurate to the best of our knowledge, but is not meant to be complete and is included only as a guide. The end user is responsible for any damage resulting from handling or from contact with this product.