

## **SAFETY DATA SHEET**

Revision Date: 04/01/2016

### **SECTION 1. CHEMICAL IDENTIFICATION**

Product Name : (1S)-3,3'-Di(phenanthren-9-yl)-1,1'-binaphthyl-2,2'-diol Synonyms : (1S)-3,3'-Di(phenanthren-9-yl)-1,1'-binaphthalene-2,2'-diol

Product Number : 317521

COMPANY : AFG Bioscience LLC

1818 Skokie Boulevard Northbrook, IL 60062 USA info@afgbioscience.com

24 HOUR EMERGENCY : Within USA/Canada : +1 800-633-8253 TELEPHONE Outside USA/Canada : +1 801-629-0667

TO REQUEST AN MSDS : +1 888-535-2444

CUSTOMER SERVICE : +1 888-535-2444

#### **SECTION 2. HAZARDS IDENTIFICATION**

No known hazard.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name : (1S)-3,3'-Di(phenanthren-9-yl)-1,1'-binaphthyl-2,2'-diol

CAS number : 957111-25-0

#### **SECTION 4. FIRST-AID MEASURES**

Skin contact : Immediately wash skin with copious amounts of water for at least 15 minutes while

removing contaminated clothing and shoes. If irritation persists, seek medical

attention.

Eye contact : Immediately wash skin with copious amounts of water for at least 15 minutes. Assure

adequate flushing of the eyes by separating the eyelids with fingers. If irritation

persists, seek medical attention.

Inhalation : Remove to fresh air. In severe cases or if symptoms persist, seek medical attention.

Ingestion : Wash out mouth with copious amounts of water for at least 15 minutes. Seek

medical attention.

### **SECTION 5. FIRE AND EXPLOSION DATA**

In the event of a fire involving this material, alone or in combination with other materials, use dry powder or carbon dioxide extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Wear suitable personal protective equipment which performs satisfactorily and

meets local/state/national standards.

Respiratory precaution : Wear approved mask/respirator
Hand precaution : Wear suitable gloves/gauntlets
Skin protection : Wear suitable protective clothing
Eye protection : Wear suitable eye protection

Methods for cleaning up : Mix with sand or similar inert absorbent material, sweep up and keep in a tightly

closed container for disposal. See section 12.

Environmental precautions : Do not allow material to enter drains or water courses.



#### **SECTION 7. HANDLING AND STORAGE**

Handling : This product should be handled only by, or under the close supervision of, those

> properly qualified in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data given on this

: Store in closed vessels. Storage

#### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

: Use only in a chemical fume hood. **Engineering Controls** 

Personal protective

General hydiene measures

: Wear laboratory clothing, chemical-resistant gloves and safety goggles.

equipment

: Wash thoroughly after handling. Wash contaminated clothing before reuse.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** : Not specified **Boiling point** : No data Melting point : No data Flash point : No data Density : No data Molecular formula : C48 H30 O2

Molecular weight : 638.8

### **SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid : Heat, flames and sparks.

Materials to avoid : Oxidizing agents. Possible hazardous : Carbon monoxide.

combustion products

# **SECTION 11. TOXICOLOGICAL INFORMATION**

: No data available. Acute toxicity Skin irritation/corrosion : No data available. Eye damage/irritation : No data available. Respiratory or skin : No data available.

sensitization

Germ cell mutagenicity : No data available.

Carcinogenicity : No classification data on carcinogenic properties of this material is available from

EPA, IARC, NTP, OSHA or ACGIH.

Reproductive toxicity Specific target organ system toxicity - repeated exposure

: No effects known. : No effects known.

Specific target organ system

: No data available.

toxicity - single exposure

: No data available.

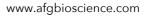
Aspiration hazard

Additional information : To the best of our knowledge, the chemical, physical and toxicological properties of

this substance have not been thoroughly investigated.

#### **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.

Result of PBT and vPvB

assessment

: PBT: Not applicabel. vPvB: Not applicable.

Other adverse effects : No further relevant information available.

# **SECTION 13. DISPOSAL CONSIDERATION**

Arrange disposal as special waste, by licensed disposal company, in consultation with local waste disposal authority, in accordance with national and regional regulations.

#### **SECTION 14. TRANSPORT INFORMATION**

No known hazard for air and ground transportation.

### **SECTION 15. REGULATORY INFORMATION**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, or have known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

### **SECTION 16. OTHER INFORMATION**

This MSDS is correct to the best of our knowledge at the date of publication but does not purport to be all inclusive and shall be used only as a guide. AFG Bioscience shall not be held liable for any injury or damage resulting from handling or from contact with the above product.