

## MATERIAL SAFETY DATA SHEET

Date Printed: 03/13/2008

Date Updated: 06/09/2006

Version 1.4

## Section 1 - Product and Company Information

Product Name 3,3'-DIETHYLTHIADICARBOCYANINE IODIDE,  
9 8%

Product Number 173754

Brand ALDRICH

Company Sigma-Aldrich

Address 3050 Spruce Street  
SAINT LOUIS MO 63103 US

Technical Phone: 800-325-5832

Fax: 800-325-5052

Emergency Phone: 314-776-6555

## Section 2 - Composition/Information on Ingredient

| Substance Name                           | CAS #    | SARA 313 |
|--|----------|----------|
| 3,3'-DIETHYLTHIADICARBOCYANINE<br>IODIDE | 514-73-8 | Yes      |

Formula C23H23N2S2.I

Synonyms Abminthic \* Anelmid \* Anguifugan \* Compound 01748  
\* DEJO \* Delvex \*  
3,3'-Diethylpentamethinethiacyanine iodide \*  
Diethylthiadicarbocyanine iodide \*  
3,3'-Diethylthiadicarbocyanine iodide \* Dilombrin  
\* Dilombrine \* Dithiazanine iodide \* Dithiazanine  
iodide \* Dithiazine \* Dithiazinine \* Eastman 7663  
\*  
3-Ethyl-2-(5-(3-ethyl-2-benzothiazolinyldene)-1,3  
-pentadienyl)benzothiazolium iodide \* L-01748 \*  
Netocyd \* NK 136 \* Omni-passin \* Partel \*  
Telmicid \* Telmid \* Telmide \* Vercidon

RTECS Number: DL7060000

## Section 3 - Hazards Identification

## EMERGENCY OVERVIEW

Highly Toxic (USA) Very Toxic (EU).

Very toxic if swallowed. Irritating to eyes, respiratory system  
and skin.

## HMIS RATING

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 1

## NFPA RATING

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 1

For additional information on toxicity, please refer to Section 11.

---

## Section 4 - First Aid Measures

---

### ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

### INHALATION EXPOSURE

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

### DERMAL EXPOSURE

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

### EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

---

## Section 5 - Fire Fighting Measures

---

### FLASH POINT

N/A

### AUTOIGNITION TEMP

N/A

### FLAMMABILITY

N/A

### EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

### FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
Specific Hazard(s): Emits toxic fumes under fire conditions.

### EXPOSURE HAZARD(S)

Material: Irritant.

---

## Section 6 - Accidental Release Measures

---

### PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL

Evacuate area.

### PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

### METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

---

## Section 7 - Handling and Storage

---

### HANDLING

User Exposure: Do not breathe dust. Do not get in eyes, on skin,



Miscellaneous Data           N/A  
Solubility                    N/A

N/A = not available

---

## Section 10 - Stability and Reactivity

---

### STABILITY

Conditions of Instability: Light.  
Materials to Avoid: Strong oxidizing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide,  
Nitrogen oxides, Sulfur oxides, Hydrogen iodide.

### HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

---

## Section 11 - Toxicological Information

---

### ROUTE OF EXPOSURE

Skin Contact: Causes skin irritation.  
Skin Absorption: May be harmful if absorbed through the skin.  
Eye Contact: Causes eye irritation.  
Inhalation: May be harmful if inhaled. Material is irritating to  
mucous membranes and upper respiratory tract.  
Ingestion: May be fatal if swallowed.

### SIGNS AND SYMPTOMS OF EXPOSURE

Nausea, vomiting, diarrhea. To the best of our knowledge, the  
chemical, physical, and toxicological properties have not been  
thoroughly investigated.

### TOXICITY DATA

Oral  
Rat  
20 mg/kg  
LD50  
Oral  
Mouse  
4.0 - 16.0 mg/kg  
LD50

Intraperitoneal  
Mouse  
3 MG/KG  
LD50

Intravenous  
Mouse  
1 MG/KG  
LD50

---

## Section 12 - Ecological Information

---

No data available.

---

## Section 13 - Disposal Considerations

---

### APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose  
of this material. Dissolve or mix the material with a combustible

solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

---

## Section 14 - Transport Information

---

### DOT

Proper Shipping Name: Toxic solids, organic, n.o.s.  
UN#: 2811  
Class: 6.1  
Packing Group: Packing Group II  
Hazard Label: Toxic substances.  
PIH: Not PIH

### IATA

Proper Shipping Name: Toxic solid, organic, n.o.s.  
IATA UN Number: 2811  
Hazard Class: 6.1  
Packing Group: II

---

## Section 15 - Regulatory Information

---

### EU ADDITIONAL CLASSIFICATION

Symbol of Danger: T+  
Indication of Danger: Very toxic.  
R: 28-36/37/38  
Risk Statements: Very toxic if swallowed. Irritating to eyes, respiratory system and skin.  
S: 26-28-36/37-45  
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap-suds. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Highly Toxic (USA) Very Toxic (EU).  
Risk Statements: Very toxic if swallowed. Irritating to eyes, respiratory system and skin.  
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap-suds. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### UNITED STATES REGULATORY INFORMATION

SARA LISTED: Yes  
NOTES: This product is subject to SARA section 313 reporting requirements.  
TSCA INVENTORY ITEM: Yes

### CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.  
DSL: Yes  
NDSL: No

---

## Section 16 - Other Information

---

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2008 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.