



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT CODE** A0352  
**PRODUCT NAME** DIHYDROACTINIDOLIDE  
**SUPPLIER** Shanghai M & U International Trade Co., Ltd.  
Rm 1717, No 598 North NuJiang Road  
200333 Shanghai, China  
+86-21-32515501 32515502  
sales@mu-intel.com

**FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)**

### 2. HAZARD IDENTIFICATION:

SEE BELOW

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Molecular Formula: C<sub>11</sub> H<sub>16</sub> O<sub>2</sub>  
Molecular Weight: 180.25  
CAS#: 15356-74-8  
FEMA#: 4020

### 4. FIRST-AID GUIDE:

**Eyes:** IMMEDIATELY FLUSH EYES WITH LARGE QUANTITIES OF COLD CLEAN WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN IMMEDIATELY.

**Skin:** WASH WITH SOAP AND WATER. FLUSH WITH LARGE QUANTITIES OF WATER. IF IRRITATION PERSISTS CALL A PHYSICIAN.

**Inhalation:** REMOVE TO FRESH AIR AND CALL A PHYSICIAN IF NECESSARY.

**Ingestion:** ADMINISTER WATER OR MILK TO DILUTE. CONTACT A PHYSICIAN OR LOCAL POISON CONTROL CENTER IMMEDIATELY. **DO NOT** INDUCE VOMITING.

### 5. FIRE-FIGHTING GUIDE:

**Flash Point (°F):** 200+      **Method Used:** CC

**L.F.L:** N/A      **U.F.L:** N/A

**Extinguishing Media:** Carbon Dioxide; Dry Chemical; Universal Type Foam

**Special Fire Fighting Procedures:** Evacuate unprotected and untrained personnel. Trained firefighting personnel should be equipped with self-contained breathing apparatus and full protective gear.

**Unusual Fire, Explosion and Stability Hazards:** COMBUSTIBLE SOLID. AVOID HEAT, SPARKS, AND OPEN FLAMES.

## 6. ACCIDENTAL RELEASE GUIDE:

REMOVE ANY SOURCES OF FLAME OR SPARKS. IF IN A CONFINED AREA NIOSH APPROVED RESPIRATORY PROTECTION MAY BE REQUIRED. ABSORB SPILLS ON VERMICULITE OR OTHER SUITABLE ABSORBENT MATERIAL AND REMOVE TO AN APPROVED DISPOSAL CONTAINER. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

## 7. HANDLING AND STORAGE:

IT IS RECOMMENDED THAT THIS MATERIAL BE STORED IN TIGHT FULL CONTAINERS IN A COOL, DRY PLACE AWAY FROM LIGHT. CONSULT STORAGE SHEET FOR FULL DETAILS.

## 8. EXPOSURE AND PERSONAL PROTECTION:

**Eyes:** IN GENERAL, THE USE OF SAFETY GLASSES IS RECOMMENDED. IF THE MATERIAL IS TO BE HANDLED IN A MANNER WHERE SPLASHING MAY OCCUR, THE USE OF SPLASH GOGGLES OR FACE SHIELD IS RECOMMEND.

**Respiratory:** IN WELL VENTILATED AREAS RESPIRATORY PROTECTION IS NOT NORMALLY REQUIRED. IN CONFINED, POORLY VENTILATED AREAS THE USE OF NIOSH-APPROVED RESPIRATORY PROTECTION MAYBE REQUIRED OR IF MATERIAL IS RATED TOXIC BY INHALATION.

**Equipment and Apparel:** THE USE OF CHEMICAL RESISTANT GLOVES IS RECOMMENDED. ACCEPTABLE INDUSTRIAL HYGIENE PRACTICES SHOULD BE MAINTAINED. LIMIT EXPOSURE TO PRODUCT WHENEVER POSSIBLE. WASH AFTER ANY CONTACT. THOROUGHLY WASH ANY CONTAMINATED CLOTHING OR SHOES.

**Ventilation:** VENTILATION MEETING ACGIH STANDARDS SHOULD BE EMPLOYED

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: SOLID

Color: COLORLESS

Solubility in Water: INSOLUBLE

Boiling Point (°C): 295-296

Vapor Pressure (mmHg@20°C): 0.001470

Odor: RIPE, APRICOT, RED FRUIT, WOODY

Vapor Density (Air = 1): 6.2

Melting Point (°C): N/A

Specific Gravity @ 25C (H2O=1.0): 1.050

Refractive Index @ 20C: N/A

## 10. STABILITY AND REACTIVITY:

This material presents no significant hazard. Hazardous Polymerization will not occur and it will not react violently with water. Contact with highly reactive chemical oxidants should be avoided. If burned this product will produce carbon monoxide and/or carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION:

### **Carcinogenicity:**

NTP: NO                      OSHA: NO  
OSHA PEL: NOT ESTABLISHED

IARC MONOGRAPH: NO  
ACGIH TLV: NOT ESTABLISHED

### **Acute Toxicity Data:**

ORAL LD50: 49 mg/kg RAT

### **Health Hazards (Acute and Chronic):**

**Skin Contact:** MAY CAUSE IRRITATION

**Inhalation:** NOT ESTABLISHED

**Eye Contact:** MAY CAUSE IRRITATION

**Ingestion:** NOT ESTABLISHED

### **Other Effects:**

The health hazard information is based on laboratory animal test data for the individual components of this product in their pure form as provided under 29 CFR 1910.1200 (d)(5)(ii). The user should consider the relevancy of this information in a manner consistent with its particular purpose.

## 12. DISPOSAL RECOMMENDATIONS:

REMOVE ANY SOURCES OF FLAME OR SPARKS. IF IN A CONFINED AREA NIOSH APPROVED RESPIRATORY PROTECTION MAY BE REQUIRED. ABSORB SPILLS ON VERMICULITE OR OTHER SUITABLE ABSORBENT MATERIAL AND REMOVE TO AN APPROVED DISPOSAL CONTAINER. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

## 13. TRANSPORTATION INFORMATION:

<b>DOT</b>	<b>TOXIC SOLIDS, ORGANIC, N.O.S.</b>	<b>6.1, UN2811, PG II</b>
<b>IMDG</b>	<b>TOXIC SOLIDS, ORGANIC, N.O.S.</b>	<b>6.1, UN2811, PG II</b>
<b>IATA</b>	<b>TOXIC SOLIDS, ORGANIC, N.O.S.</b>	<b>6.1, UN2811, PG II</b>

## 14. REGULATORY INFORMATION:

US FEDERAL

HMIS III: PHYSICAL HAZARD: 0

HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

THIS SUBSTANCE CONTAINS NO MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313.

## 15. OTHER INFORMATION:

The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper

use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the MSDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the MSDS. The user should review these regulations to ensure full compliance.

Material Safety Data Sheet prepared by: **M & U International LLC**