

# **MATERIAL SAFETY DATA SHEET**

## **SECTION 1**

### **Product Identification**

Chemical Name: 4-Oxo-pyrrolidine-1,3-dicarboxylic acid 1-tert-butyl ester 3-ethyl ester  
Catalog Number: CC00-3046  
Formula: C<sub>12</sub>H<sub>19</sub>NO<sub>5</sub>  
Supplier: Chemcia Scientific, LLC  
9885 Mesa Rim Road, Suite 104 , San Diego, CA 92121, USA.  
[www.chemcia.com](http://www.chemcia.com) Tel: 1-858-678-0337

## **SECTION 2**

### **Composition and Information on Ingredients**

Ingredient: Title compound, >95%  
CAS Number: 146256-98-6

## **SECTION 3**

### **Hazards Identification**

Harmful in contact with skin, eyes and if swallowed

## **SECTION 4**

### **First Aid Measure**

Skin Contact: Immediately wash the affected area with water while removing contaminated clothing and shoes if necessary. Seek medical assistance if irritation persists.  
Eye Contact: Immediately flush eyes with copious amounts of water for at least 15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention

## **SECTION 5**

### **Fire Fighting Measures**

Flash Point: N/A  
Auto-Ignition Temp: None  
Extinguishing Medium: Carbon dioxide, foam or dry powder.  
In the event of a fire involving this material, alone or in combination with other materials, the fire fighters should be equipped with protective clothing and self-contained breathing apparatus.

## **SECTION 6**

### **Accidental Release Measures**

Personal Precautions: Wear suitable personal protective equipment which performs satisfactorily and meets local/state/national standards.  
Environ Precautions: Do not discharge into drains/surface waters/groundwater.

## **SECTION 7**

### **Handling and Storage**

Handling: This product should be worked up in closed equipment as far as possible, and should be handled only by, or under the close supervision of, those properly qualified personnel in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data given on this sheet. Do not get in eyes, on skin, or on clothing. Avoid inhalation of dusts/mists/vapors. Protect against moisture and heat. Protect from air. Ensure adequate ventilation.  
Storage: Store in a tightly sealed vessel, keep away from heat and direct sunlight.

# **MATERIAL SAFETY DATA SHEET**

## **SECTION 8 Exposure Controls / Personal Protection**

Eye Protection: Always wear approved safety glasses when handling a chemical substance in the laboratory.

Skin Protection: Wear protective clothing and gloves.

Respiratory Precaution: If ventilation is not available a respirator should be worn. The use of respirators requires a Respiratory Protection Program to be in compliance with 29 CFR 1910.134.

Hand Precaution: Always wear suitable gloves/gauntlets

Ventilation: Handle this product in an efficient fume hood.

## **SECTION 9 Physical and Chemical Properties**

Appearance: Solid

Melting Point: No data

Boiling Point: None

Specific Gravity: No data

Molecular Weight: 257.3

Odor: No data

## **SECTION 10 Stability and Reactivity**

Conditions to Avoid: Heat, sparks and flames

Incompatibility: Oxidizing agents, reducing agents, and bases

## **SECTION 11 Disposal Considerations**

Contact a licensed professional waste disposal service to dispose this material in accordance with national, state and local regulations. Do not discharge into waterways or sewer systems without proper authorization.

## **SECTION 12 Transportation Information**

Not hazardous for air and ground transportation when sealed or packed properly.

## **SECTION 13 Other Information**

The information herein is believed to be accurate and reliable to the best of our knowledge as of the date compiled. However, the toxicological effects of this material have not been fully investigated. Chemcia Scientific,LLC does not accept liability for any loss, injury or damage resulted from the use of this product.