

# SDS

## SAFETY DATA SHEET

Oakwood Products, Inc  
 730 Columbia HWY N  
 Estill, SC 29918  
[www.oakwoodchemical.com](http://www.oakwoodchemical.com)

**Phone Numbers:**

Product Information	803-739-8800
Transportation Emergency	800-451-8346
Outside the USA	760-602-8700

**MATERIAL IDENTIFICATION**NAME: **Diethylacetic anhydride**

CAS#: [54502-37-3]

CAT#: 038362

For R&amp;D use only.

**HAZARDS IDENTIFICATION****GHS Classification**

Skin corrosion/irritation (Category 1B)

Serious eye damage/eye irritation (Category 1)

**GHS Label elements, including precautionary statements**

Pictograms



Signal Word

Danger

Hazard Statement(s)

H314

Causes severe skin burns and eye damage

H318

Causes serious eye damage

Precautionary Statement(s)

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302 + P352

IF ON SKIN: wash with plenty of soap and water.

P304 + P340

IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER or doctor/physician.

**COMPOSITION/INFORMATION ON INGREDIENTS**

Synonyms : 2-Ethylbutyric acid anhydride  
Formula : C<sub>12</sub>H<sub>22</sub>O<sub>3</sub>  
Molecular Weight : 214.31 g/mol

CAS	Description	Concentration
54502-37-3	Diethylacetic anhydride	90%

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**FIRST AID MEASURES****In case of eye contact**

Immediately flush eyes with running water for at least 15 minutes while keeping eyes open. Seek medical attention.

**In case of skin contact**

Wash thoroughly with soap and plenty of water. Seek medical attention.

**If inhaled**

Remove victim from source of exposure to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

**If swallowed**

Do not induce vomiting. Give water to victim to drink. Seek medical attention.

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**FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use carbon dioxide, dry chemical powder, alcohol-resistant or polymer foam.

**Special protective equipment for fire-fighters**

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.

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**ACCIDENTAL RELEASE MEASURES****Personal precautions**

Use personal protective equipment. Avoid breathing fumes, vapors, mists or gas. Ventilate area. Remove all sources of ignition. Evacuate personnel.

**Environmental precautions**

Prevent further leakage if safe to do so.

**Methods and materials for containment and clean up**

Absorb spills on sand or vermiculite and place in closed container for disposal.

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**HANDLING AND STORAGE****Precautions for safe handling**

Avoid prolonged use. Avoid all direct contact with material. Do not breathe dust or vapor. Wash

thoroughly after handling.

#### **Precautions for safe storage**

Keep container tightly closed. Store in a cool, dry, well-ventilated area.

Air sensitive

Moisture sensitive.

## **EXPOSURE CONTROL/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

### **Personal protective equipment**

#### **Eye/face protection**

Wear protective safety goggles or face shields tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

#### **Hand/skin protection**

Avoid all direct contact with product.

Wear chemical-resistant gloves.

Wear protective clothing and boots.

After contact with skin, wash immediately.

#### **Respiratory protection**

Ensure adequate ventilation during use. Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the exposure limits.

## **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	clear colorless liquid
Odour	no data available
Odour Threshold	no data available
Melting point/Freezing Point	no data available
Boiling Point	85-86°C/0.7mm Hg
Flash Point	no data available
Evaporation Rate	no data available
Flammability (solid, gas)	no data available
Upper/Lower Flammability or Explosive limits	no data available
Vapour pressure	no data available
Relative Density	no data available
Solubility(ies)	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Refractive Index	no data available

## **STABILITY AND REACTIVITY**

### **Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

no data available

**Conditions to avoid**

Air.

Moisture.

**Incompatible materials**

Strong oxidizing agents, strong bases, amines, and alcohols.

**Hazardous decomposition products**

May evolve carbon monoxide and carbon dioxide.

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**TOXICOLOGICAL INFORMATION**

**Acute toxicity**

no data available

**Skin corrosion/irritation**

Causes severe skin burns and eye damage

**Serious eye damage/eye irritation**

Causes serious eye damage

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**STOT-single exposure**

no data available

**STOT-repeated exposure**

no data available

**Aspiration hazard**

no data available

**Exposure Routes**

Causes burns.

May have harmful effects if inhaled or swallowed.

To the best of our knowledge, the health hazards of this material have not been fully investigated.

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**ECOLOGICAL INFORMATION**

**Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

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**DISPOSAL CONSIDERATIONS**

Dissolve in 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 laws.

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**TRANSPORT INFORMATION**

***DOT***

Corrosive liquid, acidic, organic, n.o.s.

8

UN3265 II

***IMDG***

Corrosive liquid, acidic, organic, n.o.s.

8

UN3265 II

EMS-No: F-A, S-B

Marine Pollutant: No

***IATA***

Corrosive liquid, acidic, organic, n.o.s.

8

UN3265 II

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**REGULATORY INFORMATION**

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

**New Jersey Right to Know Components**

This product may contain a chemical on the New Jersey Right to Know Components List.

**CAS**

**California Prop. 65 Components**

This product may contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

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**OTHER INFORMATION**

Version : 1.0

Revision Date : 8/22/2016

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Oakwood shall not be held liable for any damage resulting from handling or from contact with the above product.