

# 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 |

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**MATERIAL IDENTIFICATION**

NAME: **2,4-Diamino-6-hydroxy-5-nitrosopyrimidine**  
CAS#: [2387-48-6]  
CAT#: 003613  
For R&D use only.

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

Acute toxicity, oral (Category 4)  
Skin corrosion/irritation (Category 2)  
Serious eye damage/eye irritation (Category 2A)  
Respiratory tract irritation (Category 3)

**GHS Label elements, including precautionary statements**

Pictograms



Signal Word

Warning

Hazard Statement(s)

|      |                                  |
|------|----------------------------------|
| H302 | Harmful if swallowed             |
| H315 | Causes skin irritation           |
| H319 | Causes serious eye irritation    |
| H335 | May cause respiratory irritation |

Precautionary Statement(s)

|                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| P261               | Avoid breathing dust/fume/gas/mist/vapours/spray.                                                |
| P301 + P312        | IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.                       |
| 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.

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## COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 2,6-Diamino-5-nitroso-4-pyrimidinol  
Formula : C<sub>4</sub>H<sub>5</sub>N<sub>5</sub>O<sub>2</sub>  
Molecular Weight : 155.12 g/mol

| CAS       | Description                               | Concentration |
|-----------|-------------------------------------------|---------------|
| 2387-48-6 | 2,4-Diamino-6-hydroxy-5-nitrosopyrimidine | 97%           |

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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.

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**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.

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**PHYSICAL AND CHEMICAL PROPERTIES**

|                                              |                   |
|----------------------------------------------|-------------------|
| Appearance                                   | pink lumpy powder |
| Odour                                        | no data available |
| Odour Threshold                              | no data available |
| Melting point/Freezing Point                 | >360°C            |
| Boiling Point                                | no data available |
| 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 |

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**STABILITY AND REACTIVITY**

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

no data available

**Conditions to avoid**

no data available

**Incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

May evolve carbon monoxide, carbon dioxide, and nitrogen oxides.

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**TOXICOLOGICAL INFORMATION****Acute toxicity**

no data available

**Skin corrosion/irritation**

Causes skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation

**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**

May cause respiratory irritation

**STOT-repeated exposure**

no data available

**Aspiration hazard**

no data available

**Exposure Routes**

Irritating to skin, eyes, and respiratory system.

May have harmful effects if inhaled or swallowed.

**Additional Information**

RTECS: UW6125000

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

## 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**

Classed non-hazardous for shipping.

### **IMDG**

Classed non-hazardous for shipping.

### **IATA**

Classed non-hazardous for shipping.

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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.

2,4-Diamino-6-hydroxy-5-nitrosopyrimidine

### **CAS**

2387-48-6

### **California Prop. 65 Components**

This product does not 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 : 1.2

Revision Date : 1/24/2018

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.