

# 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: **5,5'-Dimethyl-2,2'-bipyridine**  
 CAS#: [1762-34-1]  
 CAT#: 222463  
 For R&D use only.

**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 : 5,5'-Dimethyl-2,2'-dipyridyl  
 Formula : C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>  
 Molecular Weight : 184.24 g/mol

CAS	Description	Concentration
1762-34-1	5,5'-Dimethyl-2,2'-bipyridine	98%

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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.

**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	tan solid
Odour	no data available
Odour Threshold	no data available
Melting point/Freezing Point	114-117°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

**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, strong acids, and strong bases.

**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: DW1766000

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.

5,5'-Dimethyl-2,2'-bipyridine

#### CAS

1762-34-1

### 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.

## **OTHER INFORMATION**

Version : 1.0

Revision Date : 3/22/2016

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.