

# 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: **Sodium [1,1'-biphenyl]-2-olate**  
CAS#: [132-27-4]  
CAT#: 079487  
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 1)  
Respiratory tract irritation (Category 3)  
Hazardous to the aquatic environment, long-term hazard (Category 1)

**GHS Label elements, including precautionary statements****Pictograms****Signal Word****Danger****Hazard Statement(s)**

|      |                                                      |
|------|------------------------------------------------------|
| H302 | Harmful if swallowed                                 |
| H315 | Causes skin irritation                               |
| H318 | Causes serious eye damage                            |
| H335 | May cause respiratory irritation                     |
| H410 | Very toxic to aquatic life with long lasting effects |

**Precautionary Statement(s)**

|      |                                                                            |
|------|----------------------------------------------------------------------------|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray.                          |
| P271 | Use only outdoors or in a well-ventilated area.                            |
| P273 | Avoid release to the environment.                                          |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| P310               | Immediately call a POISON CENTER or doctor/physician.                                                                            |
| P330               | Rinse mouth.                                                                                                                     |
| P403 + P233        | Store in a well-ventilated place. Keep container tightly closed.                                                                 |

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## COMPOSITION/INFORMATION ON INGREDIENTS

|                  |                                                                                       |
|------------------|---------------------------------------------------------------------------------------|
| Synonyms         | : 2-Phenylphenol sodium salt tetrahydrate, 2-Hydroxybiphenyl sodium salt tetrahydrate |
| Formula          | : C <sub>12</sub> H <sub>9</sub> NaO                                                  |
| Molecular Weight | : 192.19 g/mol                                                                        |

| CAS      | Description                    | Concentration |
|----------|--------------------------------|---------------|
| 132-27-4 | Sodium [1,1'-biphenyl]-2-olate | 95+%          |

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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                                   | Solid             |
| Odour                                        | no data available |
| Odour Threshold                              | no data available |
| Melting point/Freezing Point                 | no data available |
| 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

#### Oral LD50

Rat - 1,049 mg/kg

Gastrointestinal: Ulceration or bleeding from stomach. Relaxation (isolated tissue).

### Skin corrosion/irritation

Causes skin irritation

### Serious eye damage/eye irritation

Causes serious eye damage

### Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

### Carcinogenicity

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

### 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**

Harmful to skin, eyes, and respiratory system.  
May be toxic if inhaled or swallowed.

**Target Organs**

Stomach

**Additional Information**

RTECS: DV7750000

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**

Environmentally hazardous substance, solid, n.o.s.

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UN3077 III

**IMDG**

Environmentally hazardous substance, solid, n.o.s.

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UN3077 III

EMS-No: F-A, S-F

Marine Pollutant: No

**IATA**

Environmentally hazardous substance, solid, n.o.s.

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UN3077 III

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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: The following chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313:

|                                | <b>CAS</b> |
|--------------------------------|------------|
| Sodium [1,1'-biphenyl]-2-olate | 132-27-4   |

**New Jersey Right to Know Components**

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

|                                | <b>CAS</b> |
|--------------------------------|------------|
| Sodium [1,1'-biphenyl]-2-olate | 132-27-4   |

**California Prop. 65 Components**

WARNING! This product contains a chemical known to the State of California to cause cancer, birth defects, or any other reproductive harm.

|                                | <b>CAS</b> |
|--------------------------------|------------|
| Sodium [1,1'-biphenyl]-2-olate | 132-27-4   |

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**OTHER INFORMATION**

Version : 1.0

Revision Date : 12/8/2016

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.