

# SDS

## SAFETY DATA SHEET

Oakwood Products, Inc  
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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: 2,6-Diisopropylphenyl isocyanate  
CAS#: [28178-42-9]  
CAT#: 051176  
For R&D use only.

### HAZARDS IDENTIFICATION

**GHS Classification**

Acute toxicity, oral (Category 4)  
Skin corrosion/irritation (Category 2)  
Sensitisation, Skin (Category 1)  
Serious eye damage/eye irritation (Category 1)  
Acute toxicity, inhalation (Category 1)  
Sensitisation, respiratory (Category 1)  
Respiratory tract irritation (Category 3)

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

|      |                                                                           |
|------|---------------------------------------------------------------------------|
| H302 | Harmful if swallowed                                                      |
| H315 | Causes skin irritation                                                    |
| H317 | May cause an allergic skin reaction                                       |
| H318 | Causes serious eye damage                                                 |
| H330 | Fatal if inhaled                                                          |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H335 | May cause respiratory irritation                                          |

**Precautionary Statement(s)**

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P280               | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P284               | Wear respiratory 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.                                                                            |
| P311               | Call a POISON CENTER or doctor/physician.                                                                                        |
| P330               | Rinse mouth.                                                                                                                     |
| P333 + P313        | IF SKIN irritation or rash occurs: Get medical advice/attention.                                                                 |
| P362               | Take off contaminated clothing and wash before reuse.                                                                            |
| P403 + P233        | Store in a well-ventilated place. Keep container tightly closed.                                                                 |

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## COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C<sub>13</sub>H<sub>17</sub>NO  
Molecular Weight : 203.28

| CAS        | Description                      | Concentration |
|------------|----------------------------------|---------------|
| 28178-42-9 | 2,6-Diisopropylphenyl isocyanate | 96%           |

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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.  
Lachrymator

### 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                   | colorless to pale yellow liquid |
| Odour                        | no data available               |
| Odour Threshold              | no data available               |
| Melting point/Freezing Point | no data available               |
| Boiling Point                | 117°C/10mm Hg                   |
| Flash Point                  | 107°C-closed cup                |

|                                              |                   |
|----------------------------------------------|-------------------|
| 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                             | 0.951             |
| 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, 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

#### Oral LD50

Rat - 1,414 mg/kg

Remarks: Gastrointestinal:Changes in structure or function of salivary glands. Cyanosis Respiratory disorder

#### Inhalation LC50

Rat - 4 d - 47 mg/m<sup>3</sup>

### Skin corrosion/irritation

Causes skin irritation

### Serious eye damage/eye irritation

Rabbit - Severe irritation

### Respiratory or skin sensitization

May cause an allergic skin reaction

May cause allergy or asthma symptoms or breathing difficulties if inhaled

### 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**

Harmful to skin, eyes, and respiratory system.

May be toxic if inhaled or swallowed.

**Signs and Symptoms of Exposure**

Cough, Shortness of breath, Headache, Nausea, Vomiting

**Additional Information**

RTECS: CY8545000

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**

Toxic by inhalation liquid, n.o.s.

6.1

UN3382 I

Inhalation Zone B

**IMDG**

Toxic by inhalation liquid, n.o.s.

6.1

UN3382

Inhalation Zone B

EMS-No: F-A, S-A

**IATA**

Toxic by inhalation liquid, n.o.s.

6.1

UN3382

Inhalation Zone B

IATA Passenger: Forbidden for transport

IATA Cargo: Forbidden for transport

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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**

2,6-Diisopropylphenyl isocyanate

28178-42-9

**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 : 1.0

Revision Date : 3/15/2018

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.