

# 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: 1-isocyanato-2,4-dimethylbenzene  
CAS#: [51163-29-2]  
CAT#: 307934  
For R&D use only.

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

Acute toxicity, oral (Category 3)  
Acute toxicity, dermal (Category 3)  
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)**

|      |                                                                           |
|------|---------------------------------------------------------------------------|
| H301 | Toxic if swallowed                                                        |
| H311 | Toxic in contact with skin                                                |
| 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. |
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.        |

P305 + P351 + P338

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

P311

Call a POISON CENTER or doctor/physician.

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## COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 2,4-Dimethylphenyl isocyanate

Formula : C<sub>9</sub>H<sub>9</sub>NO

Molecular Weight : 147.18 g/mol

| CAS        | Description                      | Concentration |
|------------|----------------------------------|---------------|
| 51163-29-2 | 1-isocyanato-2,4-dimethylbenzene | 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.

Lachrymator

### Precautions for safe storage

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

Moisture sensitive.

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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                                   | clear faint pink liquid |
| Odour                                        | no data available       |
| Odour Threshold                              | no data available       |
| Melting point/Freezing Point                 | no data available       |
| Boiling Point                                | 114-115°C/2mm Hg        |
| Flash Point                                  | 87°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                             | 1.041                   |
| 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                             | 1.5350                  |

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## STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

no data available

### Conditions to avoid

Moisture.

### Incompatible materials

Strong oxidizing agents, amines, alcohols, water, and heat.

### Hazardous decomposition products

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

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## TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Other information on acute toxicity

Fatal if inhaled. Fatal if swallowed.

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/eye irritation

Causes serious eye irritation. This product is a lachrymator.

### Respiratory or skin sensitization

May cause allergies 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

Respiratory system.

### Signs and Symptoms of Exposure

Respiratory irritation.

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***

Isocyanates, toxic, n.o.s.

6.1

UN2206 II

### ***IMDG***

Isocyanates, toxic, n.o.s.

6.1

UN2206 II

EMS-No: F-A, S-A

Marine Pollutant: No

### ***IATA***

Isocyanates, toxic, n.o.s.

6.1

UN2206 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.

|                                  | <b>CAS</b> |
|----------------------------------|------------|
| 1-isocyanato-2,4-dimethylbenzene | 51163-29-2 |

**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 : 8/8/2017

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.