

# SDS

## SAFETY DATA SHEET

Oakwood Products, Inc  
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 Estill, SC 29918  
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**Phone Numbers:**

Product Information	803-739-8800
Transportation Emergency	800-451-8346
Outside the USA	760-602-8700

**MATERIAL IDENTIFICATION**

NAME: **4-Acetylphenyl isothiocyanate**  
 CAS#: [2131-57-9]  
 CAT#: 002490  
 For R&D use only.

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

Acute toxicity, oral (Category 4)  
 Acute toxicity, dermal (Category 4)  
 Skin corrosion/irritation (Category 1B)  
 Serious eye damage/eye irritation (Category 1)  
 Acute toxicity, inhalation (Category 3)

**GHS Label elements, including precautionary statements****Pictograms****Signal Word**

Danger

**Hazard Statement(s)**

H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H331	Toxic if inhaled

**Precautionary Statement(s)**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P270	Do not eat, drink or smoke when using this product.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.

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## COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms	: 1-(4-isothiocyanato-phenyl)-ethanone, 1-(4-isothiocyanatophenyl)ethanone, 4'-isothiocyanatoacetophenone
Formula	: C <sub>9</sub> H <sub>7</sub> NOS
Molecular Weight	: 177.23 g/mol

CAS	Description	Concentration
2131-57-9	4-Acetylphenyl isothiocyanate	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.

**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.  
Moisture sensitive.

**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	Off-white solid
Odour	no data available
Odour Threshold	no data available
Melting point/Freezing Point	77-81°C
Boiling Point	112°C/6mm Hg
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

Moisture.

### Incompatible materials

Strong oxidizing agents, amines, alcohols, and water.

### Hazardous decomposition products

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

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## TOXICOLOGICAL INFORMATION

### Acute toxicity

no data available

### Skin corrosion/irritation

Causes severe skin burns and eye damage

### Serious eye damage/eye irritation

Causes serious eye damage

### 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

no data available

### STOT-repeated exposure

no data available

### Aspiration hazard

no data available

### Exposure Routes

Harmful to skin, eyes, and respiratory system.

Toxic if swallowed.

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***

Corrosive solids, toxic, n.o.s.

8, 6.1

UN2923 III

### ***IMDG***

Corrosive solid, toxic, n.o.s.

8, 6.1

UN2923 III

EMS-No: F-A, S-B

Marine Pollutant: No

### ***IATA***

Corrosive solid, toxic, n.o.s.

8, 6.1

UN2923 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: 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.

4-Acetylphenyl isothiocyanate

**CAS**

2131-57-9

**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.

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**OTHER INFORMATION**

Version : 1.1

Revision Date : 3/3/2016

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.