

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-(4-Methylpiperazino)benzonitrile
CAS#: [34334-28-6]
CAT#: 033785
For R&D use only.

HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity, dermal (Category 5)
Acute toxicity, oral (Category 5)
Acute toxicity, inhalation (Category 5)

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

Warning

Hazard Statement(s)

H313	May be harmful in contact with skin
H303	May be harmful if swallowed
H333	May be harmful if inhaled

Precautionary Statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 4-(4-methylpiperazin-1-yl)benzonitrile, 4-(4-methyl-piperazin-1-yl)benzonitrile, 4-(4-methyl-1-piperaziny)benzonitrile, 4-(4-methyl-

FIRST AID MEASURES

Immediately flush eyes with running water for at least 15 minutes while keeping eyes open. Seek medical attention.

Wash thoroughly with soap and plenty of water. Seek medical attention.

Remove victim from source of exposure to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

Do not induce vomiting. Give water to victim to drink. Seek medical attention.

Use carbon dioxide, dry chemical powder, alcohol-resistant or polymer foam.

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

emits toxic fumes under fire conditions.

Use personal protective equipment. Avoid breathing fumes, vapors, mists or gas. Ventilate area. Remove all sources of ignition. Evacuate personnel.

Prevent further leakage if safe to do so.

Absorb spills on sand or vermiculite and place in closed container for disposal.

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.
Air 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	Dark orange solid
Odour	no data available
Odour Threshold	no data available
Melting point/Freezing Point	105-110°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

Air.

Incompatible materials

Strong oxidizing agents, strong acids, and strong bases.

Hazardous decomposition products

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

TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

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

Irritating to skin, eyes, and respiratory system.

May have harmful effects if inhaled or swallowed.

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

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.

TRANSPORT INFORMATION**DOT**

Classed non-hazardous for shipping.

IMDG

Classed non-hazardous for shipping.

IATA

Classed non-hazardous for shipping.

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-(4-Methylpiperazino)benzonitrile

CAS

34334-28-6

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 : 9/10/2012

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.