

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: 2-Furan-2-yl-1H-benzimidazole
CAS#: [3878-19-1]
CAT#: 057712
For R&D use only.

HAZARDS IDENTIFICATION**GHS Classification**

Acute toxicity, oral (Category 4)
Acute toxicity, dermal (Category 3)
Sensitisation, Skin (Category 1)
Acute toxicity, inhalation (Category 1)
Sensitisation, respiratory (Category 1)
Respiratory tract irritation (Category 3)
Carcinogenicity (Category 2)
Specific target organ toxicity, single exposure (Category 2)
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
H311	Toxic in contact with skin
H317	May cause an allergic skin reaction
H330	Fatal if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer

H373 Causes damage to organs through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects

Precautionary Statement(s)

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
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.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P310 Immediately call a POISON CENTER or doctor/physician.
P391 Collect spillage. Hazardous to the aquatic environment
P403 + P235 Store in a well-ventilated place. Keep cool.

COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Fuberidazole, 2-(2-Furanyl)-1H-benzimidazole
Formula : C₁₁H₈N₂O
Molecular Weight : 184.20 g/mol

CAS	Description	Concentration
3878-19-1	2-Furan-2-yl-1H-benzimidazole	97%

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.

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.

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.

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	Brown 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

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.

TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50

Rat - 500 mg/kg

Inhalation LC50

Rat - 4h - 330 mg/m3

Dermal LD50

Rat - 500 mg/kg

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

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

May cause damage to organs through prolonged or repeated exposure. - Heart

Aspiration hazard

no data available

Exposure Routes

Harmful to skin, eyes, and respiratory system.

May be toxic if inhaled or swallowed.

Target Organs

Heart

Stomach - Irregularities

Additional Information

RTECS: DD9010000

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**

Toxic solids, organic, n.o.s.

6.1

UN2811 II

IMDG

Toxic solid, organic, n.o.s.

6.1

UN2811 II

EMS-No: F-A, S-A

Marine Pollutant: No

IATA

Toxic solid, organic, n.o.s.

6.1

UN2811 II

REGULATORY INFORMATION**SARA 302 Components**

SARA 302: The following chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302:

2-Furan-2-yl-1H-benzoimidazole

CAS

3878-19-1

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

2-Furan-2-yl-1H-benzoimidazole

CAS

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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 : 4/19/2016

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.

Print Date: 12/08/2018