

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:** Hexachlorocyclopentadiene

CAS#: [77-47-4]

CAT#: 099063

For R&D use only.

HAZARDS IDENTIFICATION**GHS Classification**

Acute toxicity, oral (Category 4)

Acute toxicity, dermal (Category 3)

Skin corrosion/irritation (Category 1B)

Serious eye damage/eye irritation (Category 1)

Acute toxicity, inhalation (Category 1)

Sensitisation, respiratory (Category 1)

Respiratory tract irritation (Category 3)

Hazardous to the aquatic environment, acute hazard (Category 1)

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
H314	Causes severe skin burns and eye damage
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

H400 Very toxic to aquatic life
 H410 Very toxic to aquatic life with long lasting effects

Precautionary Statement(s)

P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P301 + P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.
 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.
 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.

COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C5Cl6
 Molecular Weight : 272.77

CAS	Description	Concentration
77-47-4	Hexachlorocyclopentadiene	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. 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	clear yellow liquid
Odour	no data available
Odour Threshold	no data available

Melting point/Freezing Point	-10°C
Boiling Point	239°C/753mm Hg
Flash Point	109°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	1.702
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	1.5644

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, strong acids, and strong bases.

Hazardous decomposition products

May evolve carbon monoxide, carbon dioxide, and hydrogen chloride.

TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50

Rat - 315.0 mg/kg

Inhalation LC50

Rat - 4.0 h - 2. ppm

Remarks: Behavioral:Somnolence (general depressed activity). Lungs, Thorax, or Respiration:Other changes.

Dermal LD50

Rabbit - 430.0 mg/kg

Skin corrosion/irritation

Rabbit - Severe irritation - 4 h

Serious eye damage/eye irritation

Rabbit - Severe irritation - 0.1 h

Respiratory or skin sensitization

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

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Symptoms include: spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting.

Additional Information

RTECS: GY1225000

To the best of our knowledge, the health hazards of this material have not been fully investigated.

ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish:

NOEC - Lepomis macrochirus (Bluegill) - 0.065 mg/l - 96.0 h

LC50 - Pimephales promelas (fathead minnow) - 0.0070 mg/l - 96.0 h

Toxicity to daphnia and other aquatic invertebrates:

Immobilization EC50 - Daphnia magna (Water flea) - 0.21 mg/l - 24 h

NOEC - Daphnia magna (Water flea) - 0.018 mg/l - 48 h

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**

Hexachlorocyclopentadiene

6.1

UN2646 I

Inhalation Zone B

Reportable Quantity (RQ): 10 lbs

IMDG

Hexachlorocyclopentadiene

6.1

UN2646

Inhalation Zone B

EMS-No: F-A, S-A

Marine Pollutant: Yes

IATA

Hexachlorocyclopentadiene

6.1

UN2646

Inhalation Zone B

IATA Passenger: Forbidden for transport

IATA Cargo: Forbidden for transport

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:

Hexachlorocyclopentadiene

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SARA 313 Components

SARA 313: The following chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313:

Hexachlorocyclopentadiene

CAS

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New Jersey Right to Know Components

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

Hexachlorocyclopentadiene

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77-47-4

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.

OTHER INFORMATION

Version : 1.0

Revision Date : 11/14/2016

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.