

FLINN SCIENTIFIC, INC.

Safety Data Sheet (SDS)

SDS #: 303.30

Revision Date: October 28, 2014

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

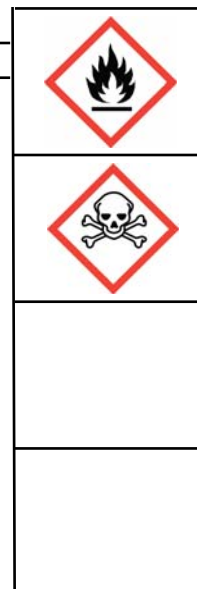
Dicyclopentadiene

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 3). Flammable liquid and vapor (H226). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).

Hazard class: Skin corrosion or irritation (Category 2). Causes skin irritation (H315).

Hazard class: Serious eye damage (Category 2A). Causes serious eye irritation (H319).

Hazard class: Acute toxicity, inhalation (Category 3). Toxic if inhaled (H331). Avoid breathing mist, vapors or spray (P261).

Hazard class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335). Avoid breathing dust or fumes (P261).

Forms explosive peroxides upon concentration or distillation.

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Dicyclopentadiene	77-73-6	C ₁₀ H ₁₂	132.21	95%
4-tert-Butylcatechol (stabilizer)	98-29-3	C ₁₀ H ₁₄ O ₂	166.22	5%

Synonyms: DCPD; Cyclopentadiene dimer; 4,7-Methano-3a,4,7,7a-tetrahydroindene

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312). **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). Immediately call a POISON CENTER or physician (P310). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing (P305+P351+P338).

If eye irritation persists: Get medical advice or attention (P337+P313). **If on skin (or hair):** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). **If skin irritation occurs:** Get medical advice or attention (P332+P313). **If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Class IC flammable liquid.

Flash point: 32 °C Flammable limits: Upper 6.3% Lower: 0.8% Autoignition Temperature: 503 °C

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher (P370+P378). Water may be ineffective.

NFPA CODE

H-3

F-3

R-1

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #3. Store with hydrocarbons, oils, esters and aldehydes. Keep container tightly closed (P233). Keep cool (P235). Ground or bond container and receiving equipment (P240). Use explosion-proof electrical and ventilating equipment (P241). Use only non-sparking tools (P242). Take precautionary measures against static discharge (P243). Use only in a hood or in a well-ventilated area (P271).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash thoroughly after handling (P264). Use only in a hood or in a well-ventilated area (P271). Wear respiratory protection (P284).

Exposure guidelines: TLV 5 ppm (ACGIH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless to pale yellow liquid. Camphor-like odor.
Soluble in ethyl alcohol and ether. Slightly soluble in water.

Boiling point: 64.5 °C
Melting point: 5 °C
Specific gravity: 0.978
Vapor density: 4.6

SECTION 10 — STABILITY AND REACTIVITY

Avoid heat, sunlight, and ignition sources. Reacts with strong oxidizers, strong acids, and strong bases.
Shelf life: Poor, forms explosive peroxides upon concentration or distillation.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Serious eye damage, Skin and respiratory tract irritant.

ORL-RAT LD₅₀: 353 mg/kg

Chronic effects: Toxic to kidneys, liver, gastrointestinal tract, upper respiratory tract, skin, eyes, and CNS.

IHL-RAT LC₅₀: 660 ppm/4H

SKN-RBT LD₅₀: 5080 mg/kg

Target organs: Kidneys, liver, GI tract, respiratory tract, and CNS

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Toxic to aquatic life. EC₅₀ *Daphnia*: 11 mg/L/48H

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Dicyclopentadiene. Hazard class: 3. UN number: UN2048.

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA listed

SECTION 16 — OTHER INFORMATION

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

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