

Catalog Number: 215225 Revision date: 25-Apr-2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Catalog Number: 215225

Product name: CATECHOL

Synonyms: Pyrocatechol; Catechin; 1,2-Benzenediol; o-Diphenol; C.I. 76500

Supplier:

MP Biomedicals, LLC 29525 Fountain Parkway

Solon, OH 44139 tel: 440-337-1200

Emergency telephone number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

2. COMPOSITION/INFORMATION ON INGREDIENTS

ComponentsCAS NumberWeight %ACGIH Exposure Limits:OSHA Exposure Limits:CATECHOL120-80-990 - 100%5 ppm TWANone

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Harmful: danger of serious damage to health by prolonged exposure through inhalation, skin contact and if swallowed. , Combustible material

Category of Danger:

Harmful, Carc. cat. 3

Principle routes of exposure: Skin

Inhalation: Harmful: possible risk of irreversible effects through inhalation. **Ingestion:** Harmful: danger of serious damage to health if ingested.

Skin contact: Harmful: danger of serious damage to health by prolonged skin contact.

Eye contact: Risk of serious damage to eyes

Statements of hazard HARMFUL IF SWALLOWED. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR INHALED.

COMBUSTIBLE MATERIAL AND VAPOR.

Statement of Spill or Leak - ANSI Label Eliminate all ignition sources. Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.

Statement of First Aid If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a physician. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician.

Precautions - ANSI Label Do not taste or swallow. Wash thoroughly after handling. Avoid contact with skin, eyes and clothing Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not breathe vapors or spray mist Avoid breathing vapors.

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4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician Remove and wash contaminated clothing before re-use

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician Drink 1 or 2 glasses of water. Induce vomiting if person is conscious. Induce vomiting, but only if victim is fully conscious. Obtain medical attention.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Protection of first-aiders: No information available

Medical conditions aggravated by exposure: None known

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO2, water spray or "alcohol" foam

Specific hazards: Burning produces irritant fumes.

Unusual hazards: None known

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear

Specific methods: Water mist may be used to cool closed containers.

Flash point: 127 °C (closed cup)

Autoignition temperature: 510 °C

NFPA rating:

NFPA Health: 3 NFPA Flammability: 0 NFPA Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:Use personal protective equipment.
Environmental precautions:
Prevent product from entering drains.

Methods for cleaning up:Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Storage:

ROOM TEMPERATURE

Handling: Use only in area provided with appropriate exhaust

ventilation.

Safe handling advice: Wear personal protective equipment. Remove and wash

contaminated clothing before reuse.

Technical measures/storage conditions: Keep containers tightly closed in a cool, well-ventilated

place. Keep container tightly closed in a dry and well-

ventilated place.

Incompatible products: Oxidising and spontaneously flammable products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation, especially in confined areas.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

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Hand protection: Pvc or other plastic material gloves

Skin and body protection: Impervious clothing Long sleeved clothing

Eye protection: Safety glasses with side-shields

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:SolidFormula:C6H6O2Melting point/range:104-106°CBoiling point/range:246°C

Density:1.344 g/cm3 at 15 °CVapor pressure:.1 hPa at 35 °CEvaporation rate:No data availableVapor density:No data available

Solubility (in water): Soluble

Flash point: 127 °C (closed cup)

Autoignition temperature: 510 °C

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Polymerization:None under normal processing.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating

gases and vapours such as carbon oxides.

Materials to avoid:

Strong oxidizers may cause fire and explosion.

Conditions to avoid: Exposure to air or moisture over prolonged periods.

11. TOXICOLOGICAL INFORMATION

Product Information Acute toxicity

ComponentsRTECS Number:Selected LD50s and LC50sCATECHOLUX1050000Oral LD50 Rat : 260 mg/kgOral LD50 Mouse : 260 mg/kg

Dermal LD50 Rabbit : 800 mg/kg

Chronic toxicity: Chronic exposure may cause nausea and vomiting, higher exposure causes

unconsciousness.

Local effects: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and

vomitina

Specific effects: May include moderate to severe erythema (redness) and moderate edema (raised

skin), nausea, vomiting, headache.

Primary irritation: No data is available on the product itself.

Carcinogenic effects: Possible carcinogen

Mutagenic effects: No data is available on the product itself. Reproductive toxicity: No data is available on the product itself.

Components NIOSH - Health Effects NIOSH - Target Organs

CATECHOL CNS depression; liver, respiratory, and renal respiratory system, skin, eyes, CNS, kidneys

effects

12. ECOLOGICAL INFORMATION

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Mobility: No data available **Bioaccumulation:** No data available

Ecotoxicity effects: No data available

Aquatic toxicity: May cause long-term adverse effects in the aquatic

environment.

Components U.S. DOT - Appendix B -

Marine Pollutan

CATECHOL Not Listed U.S. DOT - Appendix B -**Severe Marine Pollutants**

Not Listed

United Kingdom - The Red

List:

Not Listed

Components Germany VCI (WGK)

CATECHOL 2 World Health Organization (WHO) - Drinking Water

Not Listed

Ecotoxicity - Fish Species

Data

LC50 (96 hr) fathead minnow:8.47-9.87 mg/L. Cond:Flow-through, 25.6 °C, pH 7.7, 46.0 mg/L

CaCO3.;LC50 (48 hr) goldfish:14 mg/L.:

Components **Ecotoxicity - Freshwater**

Algae Data

Not Listed

Ecotoxicity - Microtox Data Ecotoxicity - Water Flea

Data Not Listed

EC50 (5,30 min)

Photobacterium

phosphoreum:29.6-32.0 mg/L Microtox test. Cond:15 °C.

Components **EPA - ATSDR Priority List**

EPA - HPV Challenge Program Chemical List **California - Priority Toxic**

Pollutants indicator 0; Not sponsored Not Listed

Components

CATECHOL

CATECHOL

CATECHOL

California - Priority Toxic Pollutants

Not Listed

Not Listed

California - Priority Toxic Pollutants

Not Listed

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate

> Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished

with this material may be hazardous.

Contaminated packaging: Do not re-use empty containers

14. TRANSPORT INFORMATION

UN/Id No: 1759

DOT:

Proper shipping name: Corrosive solid, n.o.s.

IATA Hazard Label(s): Corrosive

Hazard Class 8 -

Corrosive materials

Packing group:

Emergency Response Guide Number (ERG): 154

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Components U.S. DOT - Appendix A Table 1 - Reportable Quantities

CATECHOL RQ = 100 pounds (45.4 kg)

TDG (Canada):

WHMIS hazard class: D1b toxic materials

D2b toxic materials Ε corrosive material





IMDG/IMO

Proper shipping name: Corrosive solid, n.o.s.

IMDG - Hazard Classifications Not Applicable

Components U.S. DOT - Appendix B - Marine Pollutan U.S. DOT - Appendix B - Severe Marine

Pollutants

CATECHOL Not Listed Not Listed

IMO-labels:

15. REGULATORY INFORMATION

International Inventories

Components **CATECHOL**

Inventory - United States TSCA - Sect. 8(b) Present Canada DSL Inventory List -Present Australia (AICS): Present **Inventory - China:** Present

204-427-5; C6H6O2 **EU EINECS List -**

Inventory - Japan: 3-543 **Korean KECL:** KE-02556 **Philippines PICCS:** Present

U.S. regulations:

California Proposition 65 Massachusetts Right to New Jersey Right to Pennsylvania Right to Know Components

Know List: Know List:

Not Listed Not Listed environmental hazard **CATECHOL** [present]

Illinois - Toxic Air Connecticut - Hazardous Air Florida substance List: **Rhode Island Right to** Components

Know List: Contaminants **Pollutants** [present] Toxic Present on HAP list 400 ug/m3 HLV; 0.1 ppmv HLV **CATECHOL**

SARA 313 Emission CERCLA/SARA - Section NTP: IARC: Components

reporting/Toxic Release 302 Extremely Haz of Chemicals

CATECHOL form R reporting required Not Listed None

Monograph 71, 1999; for 1.0% de minimis Supplement 7, 1987; Monograph 15, 1977 concentration

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SARA 313 Notification: The above is your notification as to the SARA 313 listing for this product(s) pursuant

to Section 313 of Title III of the Superfund Ammendments and Reauthorization Act of

1986 and 40 CFR Part 372.

If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community

Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in

Washington, DC or Alaska).

State Notification: The above information is your notice as to the Right-to-Know listings of the stated

product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive

hazards; and the compounds environmental impact if accidentally released.

16. OTHER INFORMATION

Prepared by: Health & Safety

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End of Safety Data Sheet

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