

DCPD Raffinate

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 08/08/2016

Supersedes: 08/03/2016

Version: 4.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : DCPD Raffinate
 Product form : Mixture
 Other means of identification : Non aromatic hydrocarbons

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Intermediate

1.3. Details of the supplier of the safety data sheet

JX NIPPON CHEMICAL TEXAS INC.
 10500 Bay Area Blvd.
 Pasadena, Texas 77507
 MRoot@jxncti.com

1.4. Emergency telephone number

Emergency number : 1-703-527-3887 (CHEMTREC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

| | |
|---------------------------|------|
| Flam. Liq. 3 | H226 |
| Acute Tox. 4 (Oral) | H302 |
| Acute Tox. 2 (Inhalation) | H330 |
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2A | H319 |
| Skin Sens. 1 | H317 |
| STOT SE 3 | H335 |
| STOT RE 2 | H373 |
| Aquatic Acute 3 | H402 |
| Aquatic Chronic 2 | H411 |

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H226 - Flammable liquid and vapour
 H302 - Harmful if swallowed
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H330 - Fatal if inhaled
 H335 - May cause respiratory irritation
 H373 - May cause damage to organs through prolonged or repeated exposure
 H402 - Harmful to aquatic life
 H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US) :

P210 - Keep away from heat, open flames, sparks. - No smoking
 P233 - Keep container tightly closed
 P240 - Ground/bond container and receiving equipment
 P241 - Use explosion-proof electrical, lighting, ventilating equipment
 P242 - Use only non-sparking tools
 P243 - Take precautionary measures against static discharge
 P260 - Do not breathe mist, spray, vapours
 P264 - Wash hands, forearms and face thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P271 - Use only outdoors or in a well-ventilated area
 P272 - Contaminated work clothing must not be allowed out of the workplace

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P273 - Avoid release to the environment
P280 - Wear eye protection, face protection, protective clothing, protective gloves
P284 - [In case of inadequate ventilation] wear respiratory protection
P301+P312 - If swallowed: Call a doctor, a POISON CENTER if you feel unwell
P302+P352 - If on skin: Wash with plenty of soap and water
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: Remove person to fresh air and keep 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 doctor, a poison center
P320 - Specific treatment is urgent (see first aid instructions on this label)
P330 - Rinse mouth
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P370+P378 - In case of fire: Use carbon dioxide (CO₂), dry extinguishing powder, foam to extinguish
P391 - Collect spillage
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % |
|---|----------------------|-----------|
| Dicyclopentadiene trimers | NA | 60 - 100* |
| Dicyclopentadiene | (CAS No) 77-73-6 | 1 - 10* |
| Cyclopentadiene | (CAS No) 542-92-7 | 1 - 5* |
| 1,3-Cyclopentadiene, methyl- | (CAS No) 26519-91-5 | 1 - 5* |
| C10 codimers | Proprietary† | ≤ 1.5 |
| Alkenes, C9-11, C10-rich | (CAS No) 68526-56-7† | ≤ 0.6 |
| Naphtha, petroleum, light steam-cracked, C5-fraction, oligomer concentrated, post-polymerized | (CAS No) 68478-09-1† | ≤ 0.2 |
| Vinylnorbornene | (CAS No) 3048-64-4† | ≤ 0.2 |
| 4,9:5,8-Dimethano-1H-benz[<i>f</i>]indene, 3a,4,4a,5,8,8a,9,9a-octahydro- | (CAS No) 7158-25-0† | ≤ 0.2 |
| 1,2-Benzenediol, 4-(1,1-dimethylethyl)- | (CAS No) 98-29-3 | 0.1 - 1* |
| Hydrocarbons, C5-rich | (CAS No) 68476-55-1† | ≤ 0.1 |
| †Potentially occurring dicyclopentadiene impurity | | |

*In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention immediately.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

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4.2. Most important symptoms and effects, both acute and delayed

| | |
|--------------------------------------|---|
| Symptoms/injuries | : Harmful if swallowed. Fatal if inhaled. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. |
| Symptoms/injuries after inhalation | : Fatal if inhaled. May cause respiratory irritation. |
| Symptoms/injuries after skin contact | : Causes skin irritation. May cause an allergic skin reaction. |
| Symptoms/injuries after eye contact | : Causes serious eye irritation. |
| Symptoms/injuries after ingestion | : Harmful if swallowed. |
| Chronic symptoms | : Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. |

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Carbon dioxide. Dry chemical. Water fog. |
| Unsuitable extinguishing media | : None known. |

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|---|
| Fire hazard | : Flammable liquid and vapour. Fire hazard increases as temperature rises > 85 °F |
| Explosion hazard | : Heating may cause an explosion. Vapors can catch fire and burn with explosive force |
| Reactivity | : No dangerous reactions known under normal conditions of use. |

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Precautionary measures fire | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|---|
| General measures | : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). |
|------------------|---|

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | : Wear Protective equipment as described in Section 8. |
| Emergency procedures | : Evacuate unnecessary personnel. |

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency. |
|----------------------|---|

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| For containment | : Stop leak if safe to do so. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. |
| Methods for cleaning up | : Eliminate ignition sources. Wear suitable protective clothing. Ground equipment electrically. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Foam, especially high expansion foam, may be used to suppress vapors. Sweep or shovel spills into appropriate container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation. |

6.4. Reference to other sections

See Sections 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof equipment. Prevent the build-up of electrostatic charge. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Flammable vapours may accumulate in the container. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat or ignition sources. Do not get in eyes, on skin, or on clothing. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing vapours, mist. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

: Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue and can be hazardous.

Storage conditions

: Store in a well-ventilated place. Keep cool. Keep the container tightly closed. Keep away from ignition sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Dicyclopentadiene (77-73-6) | |
|---|----------------------|
| ACGIH TWA (ppm) | 5 ppm |
| OSHA PEL (TWA) (mg/m ³) | 30 |
| OSHA PEL (TWA) (ppm) | 5 |
| Cyclopentadiene (542-92-7) | |
| ACGIH TWA (ppm) | 75 ppm |
| OSHA PEL (TWA) (mg/m ³) | 200 |
| OSHA PEL (TWA) (ppm) | 75 |
| 1,2-Benzenediol, 4-(1,1-dimethylethyl)- (98-29-3) | |
| Remark (ACGIH) | OELs not established |
| Remark (OSHA) | OELs not established |
| 1,3-Cyclopentadiene, methyl- (26519-91-5) | |
| Remark (ACGIH) | OELs not established |
| Remark (OSHA) | OELs not established |
| Naphtha, petroleum, light steam-cracked, C5-fraction, oligomer concentrated, post-polymerized (68478-09-1) | |
| Remark (ACGIH) | OELs not established |
| Remark (OSHA) | OELs not established |
| Vinylbornene (3048-64-4) | |
| Remark (ACGIH) | OELs not established |
| Remark (OSHA) | OELs not established |
| 4,9:5,8-Dimethano-1H-benz[f]indene, 3a,4,4a,5,8,8a,9,9a-octahydro- (7158-25-0) | |
| Remark (ACGIH) | OELs not established |
| Remark (OSHA) | OELs not established |
| Alkenes, C9-11, C10-rich (68526-56-7) | |
| Remark (ACGIH) | OELs not established |
| Remark (OSHA) | OELs not established |
| Hydrocarbons, C5-rich (68476-55-1) | |
| Remark (ACGIH) | OELs not established |
| Remark (OSHA) | OELs not established |
| C10 codimers | |
| Remark (ACGIH) | OELs not established |
| Remark (OSHA) | OELs not established |
| C9-C12 codimers | |
| Remark (ACGIH) | OELs not established |
| Remark (OSHA) | OELs not established |

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8.2. Exposure controls

Appropriate engineering controls

: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

: Gloves. Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.



Hand protection

: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection

: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection

: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection

: Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Physical state | : Liquid |
| Color | : amber. |
| Odor | : Hydrocarbon. |
| Odor Threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : 92 - 171 °C |
| Flash point | : 48.5 °C |
| Auto-ignition temperature | : 447 °C |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : < 12.93 mm Hg (0.25 psi) at 38 °F |
| Relative vapour density at 20 °C | : 5.2 (Air = 1) |
| Relative density | : No data available |
| Density | : 0.972 g/ml @ 15.6 °C (60 °F) |
| Solubility | : Soluble in hydrocarbon solvents. Insoluble in water. |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic | : 1.25 cSt @ 100 °C (212 °F) |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : 0.8 - 5 vol % |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

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10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid contact with : Incompatible materials. Heat. Ignition sources.

10.5. Incompatible materials

Oxygen. Strong oxidizers.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Inhalation: Fatal if inhaled.

| Dicyclopentadiene (77-73-6) | |
|------------------------------------|-------------|
| LD50 oral rat | 346.5 mg/kg |
| LD50 dermal rabbit | 4380 mg/kg |
| LC50 inhalation rat (ppm) | 500 ppm/4h |

| Cyclopentadiene (542-92-7) | |
|-----------------------------------|-----------|
| LD50 oral rat | 113 mg/kg |
| LC50 inhalation rat (mg/l) | 39 mg/l |

| 1,2-Benzenediol, 4-(1,1-dimethylethyl)- (98-29-3) | |
|--|------------|
| LD50 oral rat | 2820 mg/kg |

| Vinylnorbornene (3048-64-4) | |
|------------------------------------|-------------|
| LD50 oral rat | 5190 µl/kg |
| LC50 inhalation rat (ppm) | 2231 ppm/4h |

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified.
Carcinogenicity : Not classified.

| Benzene (71-43-2) | |
|--|-----------------------------|
| IARC group | 1 - Carcinogenic to humans |
| National Toxicology Program (NTP) Status | 2 - Known Human Carcinogens |

Reproductive toxicity : Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure) : May cause respiratory irritation.
Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard : Not classified
Symptoms/injuries after inhalation : Fatal if inhaled. May cause respiratory irritation.
Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact : Causes serious eye irritation.
Symptoms/injuries after ingestion : Harmful if swallowed.
Chronic symptoms : Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life. Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

| DCPD Raffinate | |
|-------------------------------|---------------------------|
| Persistence and degradability | No information available. |

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12.3. Bioaccumulative potential

| DCPD Raffinate | |
|---------------------------|---------------------------|
| Bioaccumulative potential | No information available. |

12.4. Mobility in soil

| DCPD Raffinate | |
|----------------|---------------------------|
| Ecology - soil | No information available. |

12.5. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

In accordance with DOT

Transport document description : UN1993 Flammable liquids, n.o.s. (Contains: Dicyclopentadiene), 3, III

UN-No.(DOT) : 1993

DOT NA no. : UN1993

Proper Shipping Name (DOT) : UN1993, Flammable liquids, n.o.s. (Contains: Dicyclopentadiene)

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III - Minor Danger

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel

Transport by sea

Transport document description : UN1993 Flammable liquids, n.o.s. (Contains: Dicyclopentadiene), 3, III, MP

UN-No. (IMDG) : 1993

Proper Shipping Name (IMDG) : UN1993, FLAMMABLE LIQUID, N.O.S. (Contains: Dicyclopentadiene)

Class (IMDG) : 3 - Flammable liquids

Hazard labels (IMDG)



Packing group (IMDG) : III - substances presenting low danger

Subsidiary risk (IMDG) : Marine Pollutant

Air transport

Transport document description : UN1993 Flammable liquids, n.o.s. (Contains: Dicyclopentadiene), 3, III, MP

UN-No. (IATA) : 1993

Proper Shipping Name (IATA) : UN1993, Flammable liquid, n.o.s. (Contains: Dicyclopentadiene)

Class (IATA) : 3 - Flammable Liquids

Hazard labels (IATA)



Packing group (IATA) : III - Minor Danger

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Subsidiary risk (IATA)

: Marine Pollutant

SECTION 15: Regulatory information

15.1. US Federal regulations

| DCPD Raffinate | |
|---|---|
| All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt | |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard |
| Dicyclopentadiene (77-73-6) | |
| Section 302 (EHS) TPQ | |
| Section 304 EHS RQ | |
| CERCLA RQ | |
| Section 313 | Listed on US SARA Section 313 |

15.2. International regulations

No additional information available.

15.3. US State regulations

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

| Benzene (71-43-2) | | | | |
|---|---|---|---|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | Non-significant risk level (NSRL) |
| Yes | Yes | No | Yes | 6.4 µg/day |
| Toluene (108-88-3) | | | | |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | Non-significant risk level (NSRL) |
| No | Yes | No | No | 7000 µg/day |

| Dicyclopentadiene (77-73-6) |
|---|
| U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List |

| Cyclopentadiene (542-92-7) |
|---|
| U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List |

| 1,2-Benzenediol, 4-(1,1-dimethylethyl)- (98-29-3) |
|---|
| U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List |

| Vinylbornene (3048-64-4) |
|---|
| U.S. - Massachusetts - Right To Know List |

| Benzene (71-43-2) |
|--|
| U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |

| Toluene (108-88-3) |
|--|
| U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List |

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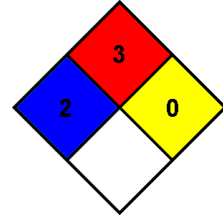
2,6-Di-tert-butyl-p-cresol (128-37-0)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Indication of changes : Revision 4.0
Revision date : 08/08/2016
Other information : Author: BCS.

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 2*
Flammability : 3
Physical : 0
Personal protection :

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product