**Inhalation Exposure**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Dermal Exposure**
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

**Eye Exposure**
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

### Section 5 - Fire Fighting Measures

**Flammable Hazards**  Yes

**Explosion Hazards**
Vapor may travel considerable distance to source of ignition and flash back. Container explosion can occur under fire conditions. In advanced or massive fires the area should be evacuated and the fire should be fought from a remote explosion-resistant location.

- **Flash Point:** 89.6 °F
- **Autoignition Temp.:** N/A
- **Flammability:** Yes

**Extinguishing Media**
- Suitable: Water
- For small (incipient) fires, use media such as “alcohol” foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flood) of water applied as a mist or spray; Solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

**Firefighting**
- **Protective Equipment**
  - Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes
  - **Specific Hazard(s)**
  - Flammable liquid. Emits toxic fumes under fire conditions.

### Section 6 - Accidental Release Measures

**Procedure to be Followed in Case of Leak or Spill**
Evacuate area. Shut off all sources of ignition.

**Procedure(s) of Personal Protection(s)**
- Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

**Methods for Cleaning Up**
Cover with dry mixed sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

### Section 7 - Handling and Storage

**Handling**
- **User Exposure**
  - Do not breathe vapor. Avoid contact with eyes, skin, and clothing Avoid prolonged or repeated exposure.

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Special Requirements
Store under inert gas.

Section 8 - Exposure Controls / PPE

Engineering Controls
Safety shower and eyewash. Use nonsparking tools. Mechanical exhaust required.

Personal Protective Equipment
Respiratory
Use respirators and components tested and approved under appropriate government standards such as NIOSH-US or CEN (EU). Where risk assessment shows aspirating respirators are appropriate, use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand
Compatible chemical-resistant gloves.

Eye
Chemical safety goggles

General Hygiene Measures
Wash thoroughly after handling. Wash contaminated clothing before reuse.

Exposure Limits, RTECS

<table>
<thead>
<tr>
<th>Country</th>
<th>Source</th>
<th>Type</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
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<td>ACGIH</td>
<td>TWA</td>
<td>6 PPM</td>
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<tr>
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<tr>
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</tr>
<tr>
<td>Remarks</td>
<td>check ACGIH TLV</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 9 - Physical/Chemical Properties

Appearance
Physical State
Liquid

Molecular Weight
132.21 AMU

Property
Value
At Temperature or Pressure
pH
N/A
BP/MP Range
170 °C 760 mmHg
MP/MP Range
32 °C
Freezing Point
N/A
Vapor Pressure
N/A
Vapor Density
N/A
Saturated Vapor Conc.
N/A
SG/Density
0.886 g/cm³
Boiling Point
N/A
Odor Threshold
N/A
Volatile%
N/A
VOC Content
N/A
Water Content
N/A
Solvent Content
N/A
Evaporation Rate
N/A
Viscosity
N/A
Partition Coefficient
N/A
Decomposition Temp.
N/A
Flash Point °F
89 °F

Flammable Limits
N/A
Autoignition Temp
N/A
Solubility
N/A
N/A = not available

Section 10 - Stability and Reactivity

Stability
Stable

Conditions of Instability
Inhibited with 0.05% BHT. Avoid exposure to air any longer than necessary so as to prevent peroxide formation.

Conditions to Avoid
May polymerize on exposure to heat. Heat.

Materials to Avoid
Strong oxidizing agents, Strong acids, Strong bases, Metal chlorates.

Hazardous Decomposition Products
Hazardous Decomposition Products
Carbon monoxide, Carbon dioxide

Hazardous Polymerization
Will not occur.

Section 11 - Toxicological Information

Route of Exposure
Skin Contact
Causes skin irritation.

Skin Absorption
May be harmful if absorbed through the skin.

Eye Contact
Causes eye irritation.

Inhalation
Harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion
Harmful if swallowed.

Target Organ(s) or System(s)
Liver, Kidneys, Lungs.

Signs and Symptoms of Exposure
Damage to the liver. Damage to the kidneys. Damage to the lungs. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: PC1050000

Toxicity Data

Oral - Rat 353 mg/kg (LD50)
Remarks: Behavioral/Convulsions or effect on seizure threshold.
Behavioral: Muscle weakness.

Inhalation - Rat 660 ppm (LC50)
Remarks: Behavioral/Somnolence (general depressed activity).
Behavioral: Convulsions or effect on seizure threshold.
Behavioral: Change in motor activity (specific assay).

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Page 3
Intaperitoneal - Rat: 200 MG/KG (LD50)
Oral - Mouse: 190 mg/kg (LD50)
Inhalation - Mouse: 145 ppm (LC50)
Intraperitoneal - Mouse: 200 MG/KG (LD50)
Inhalation - Rabbit: 771 ppm (LC50)
Skin - Rabbit: 50:10 mg/kg (LD50)
Remarks: Behavioral Convulsions or effect on seizure threshold.
Behavioral Muscle weakness.
Inhalation - Guinea Pig: 770 ppm (LC50)
Oral - Cattle, Horse: 1200 mg/kg (LD50)
Remarks: Behavioral Ataxia.
Gastrointestinal Changes in structure or function of salivary glands.
Nutritional and Gastrointestinal: Weight loss or decreased weight gain.
Intraperitoneal - Mammal: 960 MG/KG (LD50)
Oral - Bird: 1010 mg/kg (LD50)

Irritation Data
Skin - Rabbit: 9.3 mg 24H
Remarks: Open irritation test.
Skin - Rabbit: 20 mg 24H
Remarks: Moderate irritation effect.

Section 13 - Disposal Considerations
Appropriate Method of Disposal of Substance or Preparation
Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as the material is highly flammable. Observe all local, state, and federal regulations.

Section 14 - Transport Information
DOT
Proper Shipping Name: Decypropentadiene
UNI#: 2045
Class: 3
Packing Group: Packing Group III
Hazard Label: Flammable liquid
PI#: Not PIH

IATA
Proper Shipping Name: Decypropentadiene
IATA UN Number: 2045
Hazard Class: 3
Packing Group: III

Section 15 - Regulatory Information
EU Directive Classification
Symbol of Danger: F Xi N
Indication of Danger
Highly flammable. Harmful. Dangerous for the environment.
Risk Statements
R: 11 2022: 36/37/38 51/53
Highly flammable. Harmful by inhalation and if swallowed. Irritating to eyes, respiratory system and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Statements
S: 36/37/38
Wear suitable protective clothing and gloves. Avoid release to the environment. Refer to special instructions/safety data sheets.