Ultrapure DNT Set Containing DNT, DCP, DOP, and DTPP

Section 1 - Chemical Product and Company Identification

Chemical Name: None

Synonyms: None

Physical State: Liquid

CAS Numbers: 91490-77-6

Material Safety Data Sheet

DNC, DOP, and DTPP.

For information on the US, call: 201-756-7500

Emergency Number: 302-236-7500

CHEMTREC Phone Number: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS: 97-27-3

Chemical Name: 2'-Doxycyclidine-5'-Tributylphosphate

INN Chemical Name: Unlisted

Risk Phrases: None

Hazard Symbols: None

Text for R-phrases: see Section 12

Section 3 - Hazards Identification

Caution: This may be a low hazard for normal industrial handling. May cause eye and skin irritation. May cause respiratory tract irritation. Occupational exposures are recommended when handling this compound.

Target Organs: No data found

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Inhalation: May cause irritation of the digestive tract. Low hazard for usual industrial handling. The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. Low hazard for usual industrial handling. The toxicological properties of this substance have not been fully investigated.

Chronic: None

Section 4 - First Aid Measures

Eye: Flush eyes with plenty of water for at least 15 minutes. Occasionally lifting the upper and lower eyelids. If irritation develops or persists, seek medical aid.

Skin: Flush skin with plenty of water for at least 15 minutes while clothing and shoes. See medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion: None

Section 5 - Fire Fighting Measures

Never give anything by mouth to an unconscious person. DO NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups of milk or water. Wash mouth out with water. Get medical aid if irritation or symptoms occur.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician: None

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spills with inert material (e.g., vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

Handling: Wash thoroughly after handling. Wash hands before eating, avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Deep freeze (below 20°C). Use adequate ventilation to keep airborne concentrations low.

OSHA Vocated PELs: None

OSHA Final PELs: None

NIEHS: None

ACGIH: None

Section 7 - Handling and Storage

General Information: Use proper personal protective equipment as indicated in Section 8.

Section 8 - Physical And Chemical Properties

General Information: Use proper personal protective equipment as indicated in Section 8.

Section 9 - Stability And Reactivity

General Information: Use proper personal protective equipment as indicated in Section 8.

Section 10 - Other Information

General Information: Use proper personal protective equipment as indicated in Section 8.

Section 11 - Environmental Information

General Information: Use proper personal protective equipment as indicated in Section 8.

Section 12 - Other Information

General Information: Use proper personal protective equipment as indicated in Section 8.

Section 13 - Disposal Considerations

General Information: Use proper personal protective equipment as indicated in Section 8.

Section 14 - Transportation Information

General Information: Use proper personal protective equipment as indicated in Section 8.

Section 15 - Regulatory Information

General Information: Use proper personal protective equipment as indicated in Section 8.

Section 16 - Other Information

General Information: Use proper personal protective equipment as indicated in Section 8.

Section 17 - Additional Information

General Information: Use proper personal protective equipment as indicated in Section 8.

Section 18 - Product Information

General Information: Use proper personal protective equipment as indicated in Section 8.
Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: Colorless

Odor: None reported

PH: 7.8

Vapor Pressure: Not available

Vapor Density: 1.0

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: > 300 deg C (> 572°F)

Freezing/Melting Point: > 32 deg C (> 89°F)

Decomposition Temperature: Not available

Solubility in water: Insoluble

Specific Gravity/Density: 3.1400

Molecular Formula: Solution

Melting Point: Not available

Section 10 - Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: Incompatible materials, excess heat.

Incompatibilities with Other Materials: None reported.

Hazardous Decomposition Products: Monoxide, oxides of phosphorus, irritating and toxic fumes and gases. Carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

OSHA: Not listed.

CAS: 1927-33-7: None listed

CAS 1943-43-3: None listed

CAS 1927-53-7: None listed

LC50/LC10: Not available.

RTSC: Not available.

TERC: Not available.

TSCA: Not available.

Other: Not available.

Section 12 - Ecological Information

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. USEPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA U-Series: None listed.

US DOT: See actual entry in RTECS for complete information.

Section 13 - Disposal Considerations

Section 14 - Transport Information

Section 15 - Regulatory Information

Section 16 - Other Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MDS. It is not listed on Canada's Ingredient Disclosure List. 

This product is not listed on Canada's Inventory Disclosure List.

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howsoever arising, even if the company has been advised of the possibility of such damages.