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EUROCHEM INTERNATIONAL
CORPORATION

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MATERIAL SAFETY DATA SHEET

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL - CHEMTREC (800) 424-9300

Section 1: Identity

EPA Reg. No. 10324-105-74098

Trade Name: **MICRODYNE PD**

Formula: (See Section 2)

Chemical Family: Quaternary Ammonium Compound

Chemical Name: (See Section 2)

DOT Proper Shipping Name: NA

Section 2: HAZARDOUS INGREDIENTS

Weight

TWA/TLV

NA

Section 3: PHYSICAL AND CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point: ND

pH: 12.0 +/- 0.2

Percent Volatile (by weight) ND

Evaporation Rate: (Butyl Acetate = 1) ND

Solubility in Water: Soluble

Vapor Pressure: ND

Appearance and Odor: Yellow in color; characteristic odor

Density: (H₂O = 1) 8.7 lbs./gallons

Flash Point: over 200 °F

Auto Ignition Temp: ND

Lower Explosion (%): ND

Upper Explosion (%): ND

Extinguishing Media: Dry Chemical, Water, Fog, CO₂, and Foam.

Special Fire Fighting Procedures: Cool fire exposed containers with spray. Must wear MSHA/NIOSH approved self contained breathing apparatus.

Unusual Fire Explosion Hazards: Explosive mixtures can form with air. Combustion products are toxic. Solvents vapors can travel to an ignition source and flash back.

Section 4: PHYSICAL HAZARDS

Stability: Stable

Conditions to avoid: NA

Incompatibility: Strong oxidisers or reducing agents. Conditions to avoid: Mixing with strong oxidizers or reducing agents.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.

Section 5: HEALTH HAZARDS

Routes of Entry: Skin Contact, Inhalation, Eye Contact.

Inhalation: Irritation of mucous membrane can be caused by solvent vapors or mists of products.

Microdyne PD

Eye Contact: Corrosive. Severe eye damage can result from direct contact.

Skin Contact: Severe Irritation.

Ingestion: May be fatal. Burning pain in the mouth, throat, abdomen, severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breathe, circulatory shock, convulsions.

First Aid:

Skin and eye: In case of contact, immediately flush the eyes and skin with plenty of water for at least 15 minutes. Call a physician. Remove and wash contaminated clothing before reuse.

Ingestion: If swallowed drink promptly, a large quantity of egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately. Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Chemicals Listed as Carcinogen by:

OSHA NO

I.A.R.C. Monographs NO

National Toxicology Program NO

Section 6: TOXICITY

Acute Oral LD₅₀ -ND

Acute Dermal -ND

Primary Skin -ND

Primary Eye -ND

Section 7: SPECIAL PROTECTION INFORMATION

Ventilation type: Mechanical (Explosion proof).

Respiratory Protection: None required if good ventilation is maintained. For mist or vapor wear NIOSH approved respirator.

Protective Gloves: Rubber or Neoprene

Eye Protection: Splash proof safety goggles.

Other Equipment: Impervious apron, eyewash facility, emergency shower, and faceshield.

Section 8: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURE

Handling and Storage: Keep from freezing. Store in original container.

Spill and Leak Procedure: Remove ignition sources. Wear respirator. Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes.

Waste Disposal: Incinerate. Make sure that all federal, state and local regulations are observed.

The seller makes no warranty expressed or implied concerning the accuracy or any results to be obtained from the use of any information and no expressed or implied concerning the use of the products. The buyer assumes all risks of the use and/or handling.