MATERIAL SAFETY DATA SHEET

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1. PRODUCT IDENTIFICATION

CATALOG NO.: R-0843
PRODUCT NAME: DP1 Tablet #1
CHEMICAL FAMILY: Buffered organic amine with inert fillers

2. INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS NO.</th>
<th>%</th>
<th>NATURE OF HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>N,N-Diethyl-p-phenylene-1-diamine oxalate</td>
<td>62637-92-7</td>
<td>&lt;1</td>
<td>Irritant, toxic</td>
</tr>
<tr>
<td>Inorganic buffer</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Inert fillers</td>
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</tbody>
</table>

3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Solid
APPEARANCE: Off-white tablet
odor: None
boiling pt (F): NA
pH: NA
specific gravity: NA
vapor pressure (mm Hg): NA
vapor density (air=1): NA
percent volatile by volume: NA
solubility in water: Soluble

4. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

flash pt: NA
method: NA
flammable limits: LEL: NA
UEL: NA
extinguishing media: NA
special extinguishing media: Wear self-contained (positive pressure if available) breathing apparatus and special protective clothing.
fire/explosion hazards and hazardous decomposition products: May emit toxic fumes of phosphorus oxides, nitrogen oxides, phosphine. Contact with metals may produce hydrogen gas.
nfpa code: Health: 1 Flammability: 0 Reactivity: 0 Specific: NA
conditions to avoid: Extreme heat, temperatures. Contact with metals, oxidizers, strong caustic.

5. HEALTH HAZARD DATA

ingredient: Organic acid
toxicity: LD50 (orl-rat): 2400 mg/kg
PEL: NE
STEL: NE

ingredient: N,N-Diethyl-p-phenylenediamine oxalate
toxicity: NE
PEL: NE
STEL: NE
5. HEALTH HAZARD DATA - continued
ROUTE(S) OF ENTRY: Inhalation   Ingestion X   Skin X
TARGET ORGAN(S): Eyes, skin, gastrointestinal tract
CARCINOGENICITY: NTP No IARC No   OSHA No
HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:
EYES: Irritant
SKIN: Irritant. Contact may cause dermatitis.
INGESTION: Irritant, toxic. May cause gastrointestinal irritation, nausea, cramps, diarrhea, oxalate poisoning.
INHALATION: NA
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin conditions

6. PRECAUTIONARY MEASURES
PROTECTIVE EQUIPMENT: General purpose gloves, safety glasses, lab coat
HANDLING: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.
STORAGE: Cool, dry area. Avoid direct sunlight.

7. EMERGENCY AND FIRST AID PROCEDURES
EYE AND SKIN CONTACT: Immediately flush eyes with water for 15 minutes. Call physician. Wash skin thoroughly with soap and water.
INGESTION: Give large amounts of water or large amounts of water with milk of magnesia. Call physician. DO NOT INDUCE VOMITING.
INHALATION: NA

8. SPILL AND DISPOSAL PROCEDURES
SPILL OR RELEASE: Neutralize with soda ash. Absorb with vermiculite or other inert material. Containerize for later disposal.
DISPOSAL: Incineration or other method to comply with all local, state, and federal regulations.

NA = Not applicable
ND = Not determined
NE = Not established

This Material Safety Data Sheet has been prepared in accordance with 29 CFR Part 1910.1200 and contains information believed to be accurate and complete at the date of preparation. However, no warranty is expressed or implied. Advice given under "Spill and Disposal Procedures" assumes compliance with federal, state, and local regulations regarding the disposal of hazardous waste.

DATE PREPARED: May 1999