Order No. 69838
POLYSCIENCES, INC.
100 VALLEY ROAD
WARRINGTON, PA. 18976
(215) 343-6484

MATERIAL DATA SHEET

CAT.NO.: 00553

JULY 16, 1991

SECTION I IDENTIFICATION
Chemical Name: DMP-30; 2,4,6-Tri(dimethylamino)methyl)phenol
Formula: C15 H27 N3

SECTION II HAZARDOUS INGREDIENTS
Hazardous Components: Threshold Limit Values

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA-TWA</th>
<th>OSHA-STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ppm</td>
<td>mg/m³</td>
</tr>
<tr>
<td></td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>DMP-30 [90-72-2]</td>
<td>89-98</td>
<td>NE</td>
</tr>
<tr>
<td>Dimethylaminomethylphenol</td>
<td>2-11</td>
<td>NE</td>
</tr>
<tr>
<td>[25338-55-0]</td>
<td></td>
<td>NE</td>
</tr>
<tr>
<td>Phenol [108-95-2]</td>
<td>0.1</td>
<td>5</td>
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<tr>
<td>Formaldehyde [50-00-0]</td>
<td>0.06</td>
<td>3</td>
</tr>
</tbody>
</table>

SECTION III PHYSICAL DATA
Boiling Point: 316 C

Vapor Pressure: 0.01

Vapor Density at 21°C: 1

Solubility in Water: Light

Appearance and Odor: Dark red liquid, amine odor

Evaporation Rate: <1

Specific Gravity: 1.973

Melting Point: N/D

SECTION IV EXPLOSION AND FIRE HAZARD DATA
Flash Point: 255 F/124 C

Flammable Limits: LE: N/D

UEL: N/D

Extinguishing Media: Water, carbon dioxide, dry chemical powder, foam

Special Fire Fighting Procedures: Firefighters must wear self-contained breathing apparatus and fully protective equipment

Unusual Fire and Explosion Hazards: NE

POLYSCIENCES, INC. HAZARD CODE: HD79
SECTION V. HEALTH HAZARD

Route(s) of Entry: Inhalation: yes  Skin: yes  Ingestion: yes
Health Hazards: Acute and chronic: Irritant. Skin sensitizer.
Formaldehyde has been listed by the National Toxicology Program and the International Agency for Research on Cancer as a potential cancer-causing agent.
Medical Conditions Generally Aggravated by Exposure: NE

Signs and Symptoms of Exposure: Irritation of skin and eyes. May cause permanent injury to eyes. Material can be absorbed through the skin and cause dermatitis. Inhalation may cause drowsiness, slurred speech, headache, nausea, stupor and unconsciousness.

Emergency and First Aid Procedures:
Skin Contact: Wash affected area with copious amounts of water. Remove contaminated clothes and shoes. Launder before reuse.
Eye Contact: Flush eyes with water for at least 15 minutes. See physician.
Inhalation: Remove to fresh air. Give oxygen or artificial respiration, as needed.
Ingestion: Drink 1 or 2 glasses of water. Call physician. Seek medical treatment if discomfort persists.

SECTION VI. REACTIVITY DATA

Stability: stable
Conditions to Avoid: heat
Incompatibility: strong oxidizing and reducing agents
Hazardous Decomposition Products: nitrogen oxides
Hazardous Polymerization: will not occur

Conditions to Avoid: NE

SECTION VII. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Wear self-contained breathing apparatus, rubber boots and gloves. Eliminate ignition sources. Evacuate area. Absorb spill on inert material and hold in containers for disposal. Wash and ventilate spill site where pickup is complete

SECTION VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: OSHA/MSHA approved respirator if needed
Ventilation: mechanical at point of release
Protective Gloves: impervious
Eye Protection: safety goggles
Other Protective Equipment: safety shower and eye bath, protective clothing

SECTION IX. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storage: Store material at room temperature. Keep storage container tightly closed. Avoid prolonged or frequent exposure. Wash thoroughly after handling.