**IDENTITY (As used on Label and List)**
**IMPACCT WITH DETCORD**

<table>
<thead>
<tr>
<th>Manufacturer / Distributor's Name</th>
<th>Emergency Telephone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omni Distribution Inc., Explosive Products Div for ACA</td>
<td>800-255-3924</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Address (Number, Street, City, State, and ZIP Code)</th>
<th>Telephone Number for Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO Box 69, Marion AR 72364</td>
<td>800-277-6664</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Prepared</th>
<th>Signature of Preparer (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>June-00, REV. 2009</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Chemical Name:** PETN

Depending on connector, explosive weight will vary between 0.25-0.75 lbs each

**Trade, Common Names, Other:** DETCORD

**Chemical Formula:** N/A

**Molecular Weight:** N/A

**CAS No.** 78-11-5

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**Section II - Hazardous Ingredients/Identity Information**

<table>
<thead>
<tr>
<th>Chemical Names</th>
<th>Common Names</th>
<th>OSHA PEL</th>
<th>ACGIH TLV(Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PETN, Pentaerythritol tetranitrate</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Section III - Physical/Chemical Characteristics**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (Celsius)</td>
<td>205-215 Explodes</td>
</tr>
<tr>
<td>Melting Point (Celsius)</td>
<td>141.3 decomposes at Melting</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>Negligible at 20C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vaper Density (AIR=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Percentage Volatiles (WT.%)</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>1.773</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Solubility in Water:** Insoluble

**Appearance and Odor:** Aluminum Tube of varying sizes wrapped with Orange Rope like cord. Odorless. Weight will vary depending on type of connector.

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**Section IV - Fire and Explosion Hazard Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Celsius)</td>
<td>N/A</td>
</tr>
<tr>
<td>Method Used</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Flammable Limits (VOL%)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEL</td>
<td>N/A</td>
</tr>
<tr>
<td>UEL</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Extinguishing Media:**
DO NOT FIGHT FIRES INVOLVING EXPLOSIVES. Extinguish fire using water, inert powder, or gas, but only if it can be applied remotely.

**Fire Fighting Procedures:**
Do not attempt to fight fires involving explosive materials. Evacuate all personnel to a prefetermine safe, distant location. Allow fire to burn unless it can be fought remotely or with fixed extinguishing systems (sprinklers). For transportation fires involving large quantities of detonating cord, such as a trailer load, evacuate no less than 2,500 feet in all directions.

**Sensitivity to Impact:** May detonate if exposed to static impact.

**Sensitivity to Discharge**
May detonate if exposed to static discharge

**Fire and Explosion Hazards:**
May detonate if exposed to friction, impact, sparks, heat, or shock. Do not fight fires involving explosives. Isolate the area. Evacuate personnel to a safe place. Allow to burn or fight fire remotely.

**Autoignition Temperature:**
PETN may detonate at 190C (374F)
V. Accidental Release Measures

General Procedures
Review Fire and Explosive Hazards and Safety Precautions before proceeding with cleanup. Isolate the spill area removing all sources of ignition from the location. Remove all explosives that were not involved in the spill from the spill area. Carefully collect the spilled material and place in a (Velostat) electrically conductive bag. Contamination of this material with sand, grit, or dirt will render the material more sensitive to detonation. If safe to do so, separate material that is not contaminated from contaminated material. Only qualified personnel should perform any cleanup and disposal of material. Wet down and clean spilled PETN using a damp sponge or rag. Carefully avoid applying friction or pressure to the explosive during cleanup. Store all collected material in a secure area to await proper disposal.

Special Protective Equipment:
Use appropriate Personal Protective Equipment during cleanup.

Effects of Over Exposure:

Skin and Eyes:
Dust will irritate. PETN may cause skin irritation.

Inhalation and Ingestion:
PETN: Human systemic effects by ingestion include dermatitis. Other effects are similar to nitroglycerin, for example, headaches, weakness, and fall in blood pressure. PETN is a vasodilator.

Skin Absorption:
Not applicable

Emergency and First Aid Procedures:

Eyes: Irrigate with running water for at least fifteen minutes. If irritation persists, seek medical attention.
Skin: Wash with soap and water.
Ingestion: Seek medical attention.
Inhalation: Remove to fresh air. If symptoms persist, seek medical attention.

Special Considerations: None.

Section VI - Special Protection Information

Respiration Protection: Not required under normal conditions
Ventilation: Not required under normal conditions
Protective Gloves: Not required except to prevent abrasive injuries
Eye Protection: Not required under normal conditions

Section VII - Spill or Leak Procedures

Steps to be Taken in the Event Material is Released or Spilled:
Protect from all ignition sources. In case of fire evacuate all response procedures. Only personnel trained in emergency response should respond. If explosive powder is spilled from damaged detonating cord, remove all other explosives from the spill area. Wet down and clean spilled powder using a damp sponge or rag, avoid applying friction or pressure to the explosive, and place in a (Velostat) electrically conductive bag. Contamination of this material with sand, grit or dirt will render the material more sensitive to detonation. If no fire danger is present, and product is undamaged and/or uncontaminated, repackage product in original packaging or other clean DOT approved container. Ensure that a complete account of product has been made and is verified. Follow applicable Federal, State, and local spill reporting requirements.

Waste Disposal Method:
Dispose must comply with Federal, State and local regulations. If product becomes a waste, it is potentially regulated as a hazardous waste as defined under the Resource Conservation and Revocery Act (RCRA) 40 CFR, part 261. Review disposal requirements with a person knowledgeable with applicable environmental law (RCRA) before disposing of any explosive material.

Section VIII - Special Precautions

Precautions to be Taken in Storage and Handling:
Store in accordance with federal, state, and local regulations. Only properly qualified and authorized personnel should handle and use detonation cord. Avoid impact, heat, and shock. Store away from sparks or other ignition sources.
Section X - Special Protection Information

**Ventilation:** N/A

**Respiratory Protection:** OSHA/NIOSH approved dust, mist, and fume filter respirator.

**Eye Protection:** Safety glasses or goggles are recommended for handling, testing, or cleanup.

**Other Precautions Required:** None.

**Other Precautions:** Detonating cord is to be handled only by qualified and authorized personnel. Refer to the Manufacturer's Instructions and Warnings supplied with the product.

Section XI - Stability and Reactivity

**Stable:** Yes
**Hazardous Polymerization:** No

**Conditions to Avoid:** Detonating Cord may detonate if exposed to sufficient friction, impact, static, heat, or shock.

**Stability:** Stable under normal conditions

**Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Detonation and burning will produce nitrogen oxides.

**Incompatible Materials:** Incompatible with acids and alkalis.

Section XII - Toxicological Information

**Carcinogenicity:** Not listed by NTP, IARC, or OSHA. Irritant: Causes irritation to skin and eyes. General Toxicity: Moderately toxic by ingestion. Vasodilator. PETN can lower blood pressure. LD50 intraperitoneal mouse dose > 5 gm/kg causes arteriolar or venous dilation. TDLo oral man, 1669 mg/kg/8Y-C, dermatitis after systemic exposure. Reproductive Effect: No Data. Mutagenicity: No Data.

Section XIII - More Information

**Disposal Considerations**
Waste Detonating Cord is classified as a hazardous waste with the characteristic of reactivity. Any such waste should be handled, treated, and stored in accordance with local, state, and federal regulations. The current preferred methods of destruction of such waste are open burning, open detonation, or by incineration or confined detonation in a unit that is designed and approved for the treatment of explosive wastes. Ensure that detonating cord contains no knots or kinks. Knots or kinks in detonating cord can cause a detonation when subject to heat/flame. Any treatment of waste detonating cord must be performed by qualified personnel at a permitted facility.

**RCRA/EPA Waste Information:**
Waste Detonating Cord: EPA Hazardous Waste Number D003.

**Transport Information**
Transport only in accordance with local, state, and federal regulations for transportation of explosives. Additional reference information for transportation of explosives and energetic material is provided in the DoD Contractor’s Safety Manual for Ammunition and Explosives, DoD 4145.26-M.