### PRODUCT IDENTIFICATION

**PRODUCT NAME:** REPAIR CORD (See listing on page 4)  
**DOT PROPER SHIPPING NAME:** NOT APPLICABLE  
**ID NUMBER:** NOT APPLICABLE  
**DOT HAZARD CLASSIFICATION:** NOT APPLICABLE

### SECTION I - HAZARDOUS COMPONENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>Percent</th>
<th>Exposure Limits</th>
<th>Units</th>
<th>Agency</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAYON/ NYLON/ ARAMID OR POLYESTER CORD</td>
<td>N/A</td>
<td>NOT HAZARDOUS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AROMATIC PETROLEUM EXTENDER OIL</td>
<td>12.5%</td>
<td>Skin cancer hazard - IARC, 5 mg/M³ Oil Mist OSHA</td>
<td>ACGIH - Not Established.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZINC OXIDE</td>
<td>2.7%</td>
<td>10 mg/M³ ACGIH; 15 mg/M³ OSHA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CARBON BLACK</td>
<td>26.0%</td>
<td>3.5 mg/M³ ACGIH; OSHA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N-TERT-BUTYL-2 BENZOTHIAZOLE SULFENAMIDE</td>
<td>0.7%</td>
<td>Irritant, skin sensitizer</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SARA 313 Components – 40 CFR 372.65: Zinc Oxide as “Zinc Compounds”

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**SECTION II - EMERGENCY & FIRST AID PROCEDURES  *****EMERGENCY*****
EYES:  N/A

SKIN:  See physician if irritation develops or persists.

INHALATION:  Remove to fresh air. If not breathing, give artificial respiration preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician at once.

Hot Processing Volatiles.

INGESTION:  N/A

NOTE TO PHYSICIAN:  Medical conditions prone to be aggravated by exposure:  None known.

SECTION III - HEALTH HAZARDS/ROUTES OF ENTRY

ACUTE EFFECTS OF OVEREXPOSURE (SHORT OR SINGLE EXPOSURE)

INHALATION:  No adverse effects likely for general handling at room conditions.

Hot Processing (e.g. milling, extrusion, curing, etc.) can release fumes and other volatiles which may cause eye, nose and respiratory irritation.

SKIN CONTACT:  No adverse effects likely.

EYE CONTACT:  Irritation - fumes, volatiles hot processing.

INGESTION:  N/A

CHRONIC EFFECTS OF OVEREXPOSURE (PROLONGED OR REPEATED EXPOSURE):

Inhalation
May cause allergic reaction in some sensitive persons.
Skin Contact

Long term exposure to concentrated hot processing fumes has caused lung function loss and chronic bronchitis.

Product contains mineral extender oil which has caused skin cancer in laboratory animals.

VENTILATION:  Local exhaust to keep dust or vapors below TWA or permissible limits and for hot processing volatiles, fumes.
SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY: For air contaminants above TWA or permissible limits. NIOSH approved respirator for hot processing fumes when needed.

EYE: Not normally necessary.

GLOVES: Cloth

SECTION V - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: None known.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

- Carbon Monoxide
- Carbon Dioxide
- Smoke
- Aliphatics
- Aromatics
- Morpholine
- Sulphur Oxides
- Tert. Butyl Amine

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - SPILL OR LEAK PROCEDURES **HIGHWAY / RAILWAY SPILLS**

CALL CHEM TEL 1-800-255-3924 North America (Collect) 1-813-977-3668 International

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Place in suitable closed container for disposal.

NEUTRALIZING CHEMICALS: WASTE DISPOSAL METHOD:

This material, if discarded, is not defined as hazardous by 40CFR261. Disposal Method: Incinerate or landfill in accordance with applicable federal, state, and local law or regulation.
FLASH POINT: N/A
FLAMMABLE LIMITS IN AIR: N/A
EXTINGUISHING MEDIA: Water, Foam, Dry Chemical, Carbon Dioxide
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SECTION IX - PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPROX. BOILING POINT</td>
<td>N/A</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>VAPOR PRESSURE</td>
<td>N/A</td>
</tr>
<tr>
<td>EVAPORATION RATE (N-BUTYL ACETATE = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>% VOLATILE</td>
<td>N/A</td>
</tr>
<tr>
<td>% SOLUBILITY IN WATER</td>
<td>N/A</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>1.12</td>
</tr>
<tr>
<td>APPEARANCE</td>
<td>Black Rubbery Solid</td>
</tr>
<tr>
<td>ODOR</td>
<td>Characteristic rubber odor.</td>
</tr>
</tbody>
</table>

SECTION X - DOCUMENTARY INFORMATION

<table>
<thead>
<tr>
<th>Details</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISSUE DATE</td>
<td>6/16/03</td>
</tr>
<tr>
<td>PREV. DATE</td>
<td>01/01/01</td>
</tr>
<tr>
<td>MSDS NO</td>
<td>0037</td>
</tr>
<tr>
<td>PRODUCT CODE NO</td>
<td>(Various)</td>
</tr>
<tr>
<td>PREV. PROD. CODE NO</td>
<td>15-007, 98740</td>
</tr>
<tr>
<td>PREV. MSDS NO</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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THE FOLLOWING PRODUCTS ARE COVERED BY THIS MATERIAL SAFETY DATA SHEET:

Aramid Repair Cord
Nylon Repair Cord
Polyester Repair Cord
Rayon Repair Cord

PREPARED BY: Marlo Carter