## SECTION 1: PRODUCT INFORMATION

**PRODUCT NAME:** CARBON WELD/BEAM 35/150  
**PRODUCT CLASS:** CARBON FIBER SYSTEMS

## SECTION 2: HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS NUMBER</th>
<th>LIMITS FOR AIR CONTAMINANTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARBON FIBER</td>
<td></td>
<td>Not established by OSHA or ACGIH. Under certain conditions, may give off nuisance dust, rated at 5 mg/m^3 as breathable, and 15 mg/m^3 total dust</td>
</tr>
<tr>
<td>POLYACRYLONITRILE (PAN) - BASED CARBON</td>
<td>7440-44-0</td>
<td></td>
</tr>
</tbody>
</table>

## SECTION 3: PHYSICAL DATA

- **BOILING RANGE:** NA  
- **VAPOR DENSITY:** NA  
- **EVAPORATION RATE:** NA

## SECTION 4: FIRE AND EXPLOSION DATA

- **FLAMMABLE LIMITS:** NA  
- **FLASH POINT:** ND  
- **MAIN COMBUSTION GAS:** CO₂, CO, N₂, HCN, H₂O  
- **EXTINGUISHING MEDIA:** NORMAL FIREFIGHTING PROCEDURES  
- **UNUSUAL FIRE HAZARDS:** AIRBORNE FIBERS ARE ELECTRICALLY CONDUCTIVE

## SECTION 5: HEALTH HAZARD DATA

<table>
<thead>
<tr>
<th>EFFECTS OF OVEREXPOSURE</th>
<th>EMERGENCY FIRST AID PROCEDURES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EYES:</strong> Dust may irritate and/or damage eyes</td>
<td>Flush eyes with water 15 minutes. Seek medical attention</td>
</tr>
<tr>
<td><strong>SKIN:</strong> Dust may cause irritation or allergic reaction</td>
<td>Wash affected areas thoroughly with soap and water</td>
</tr>
<tr>
<td><strong>INHALATION:</strong> Dust may irritate throat and lungs</td>
<td>Move to fresh air. Seek medical attention if necessary</td>
</tr>
<tr>
<td><strong>INGESTION:</strong> In the event of digestion seek immediate medical attention. Do not induce vomiting unless instructed by physician</td>
<td></td>
</tr>
</tbody>
</table>

**PREPARED APRIL 2011**  
**COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200**
**SECTION 6: REACTIVITY DATA**

**STABILITY:** \(\text{STABLE}\)  
**CONDITIONS TO AVOID:** CAN REACT WITH STRONG OXIDIZING AGENTS  
**HAZARDOUS DECOMPOSITION PRODUCTS:** \(\text{CO}_2, \text{CO}, \text{N}_2, \text{HCN}, \text{H}_2\text{O}\)  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR  
**INCOMPATIBILITY:** OXIDIZERS

**SECTION 7: SPILL OR LEAK PROCEDURE**

**IN CASE OF SPILL:** IF CARBON FIBER REMAINS UNCONTAMINATED, PLACE INTO CLEAN CONTAINER FOR FUTURE USE. OTHERWISE, PLACE IN PROPER WASTE RECEPTACLE. VACUUM AREA THOROUGHLY, AS AIRBORNE DUST IS ELECTRICALLY CONDUCTIVE. TAKE NECESSARY STEPS TO AVOID ELECTRIC SHOCK.  
**DISPOSAL METHOD:** INDUSTRIALLY APPROVED FOR LANDFILL SITES. DO NOT INCINERATE. CONSULT LOCAL, STATE, AND FEDERAL AUTHORITIES PRIOR TO DISPOSAL

**SECTION 8: SAFE HANDLING & USE INFORMATION**

**RESPIRATORY PROTECTION:** IF TLV OF PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED AIR-SUPPLIED RESPIRATOR IS ADVISED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROL  
**VENTILATION:** PROVIDE SUFFICIENT MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW TLV  
**PROTECTIVE CLOTHING:** IMPERVIOUS GOGGLES, GLOVES, AND CLOTHING PREVENT EYE AND SKIN CONTACT  
**HYGIENIC PRACTICES:** WASH WITH SOAP AND WATER AFTER USE AND BEFORE EATING OR SMOKING

**SECTION 9: SPECIAL PRECAUTIONS**

**STORAGE AND HANDLING:** AIRBORNE PARTICLES AND FILAMENTs SHOULD BE CONTROLLED SO AS TO MINIMIZE SKIN IRRITATION AND ELECTRICAL SHORTS IN OUTLETS, APPLIANCES, ETC. DUE TO CONDUCTIVITY OF FIBER  
**OTHER PRECAUTIONS:** PROTECT ALL ELECTRICAL EQUIPMENT, IN OR NEAR AREAS IN WHICH FIBER IS HANDLED OR USED, FROM CONTACT WITH AIRBORNE PARTICLES AND FILAMENTS TO AVOID POSSIBLE DAMAGE CAUSED BY ELECTRICAL SHORTS

**WARRANTY:** The information contained in this document is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. The customer must inspect and test our products before use, and satisfy themselves as to the contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials, and in no event shall we be liable for special, incidental, or consequential damages.