NOTE: DoALL’s Power Cut 470 was obsoleted in 2006. Therefore, no updated MSDS is available. This MSDS will remain in place through the 20-year OSHA required status, but without updates due to the obsolete status. (06/2010)

REPLACEMENT PRODUCT: DoALL’s Power Cut GP

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Power-Cut™ 470
PRODUCT CLASS: WATER SOLUBLE OIL CUTTING FLUID
MSDS No.: MS207

SECTION I: MANUFACTURER IDENTIFICATION

MANUFACTURER’S NAME: DoALL COMPANY
ADDRESS: 1480 S. Wolf Rd. Wheeling, IL 60090
EMERGENCY PHONE: (800) 535-5053 (INFOTRAC)
INFORMATION: (888) 362-5572 x68916
REVISION DATE: May 1, 2006

SECTION II: HAZARDOUS INGREDIENTS IDENTIFICATION

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>CAS #:</th>
<th>OSHA PEL:</th>
<th>ACGIH TLV:</th>
<th>PERCENT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severely Hydro-treated Naphthenic Oil</td>
<td>64742-52-5</td>
<td>5mg./cu. m.</td>
<td>5mg./cu. m.</td>
<td>80.0-82.0</td>
</tr>
<tr>
<td>Diethylene Glycol</td>
<td>111-46-6</td>
<td>25 ppm</td>
<td>25 ppm</td>
<td>1.0-2.0</td>
</tr>
</tbody>
</table>

SECTION III: PHYSICAL DATA

Boiling Point: >212 degrees Fahrenheit
Specific Gravity: 0.912 (Water = 1)
Vapor Pressure: ND
Melting Point: NA
Vapor Density: >1 (air = 1)
Evaporation Rate: ND (BuAc = 1)
Solubility in Water: Emulsifies
pH: 9.3 (@ 5%)
Appearance: Amber liquid
Odor: Oily aroma

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: 350 °F COC.
EXTINGUISHING MEDIA: Carbon Dioxide, Foam, or Dry Chemical.
FIRE FIGHTING PROCEDURES: Water stream or spray, to cool containers to prevent vapor formation and ignition, may spread fire. Fog nozzles are preferred if water is used. Wear SCBA gear in fire area.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SECTION V: HEALTH HAZARD DATA

ROUTES OF EXPOSURE AND EFFECTS OF OVER-EXPOSURE:

INHALATION: Breathing difficulty.
EYE CONTACT: Minor irritation.
SKIN CONTACT: Minor irritation.
SKIN ABSORPTION: Not expected to occur.
INGESTION: Nausea, and/or diarrhea.

CARCINOGENICITY:
LISTED BY NTP: No
LISTED BY IARC: No
LISTED BY OSHA: No

EMERGENCY FIRST AID PROCEDURES:
INHALATION: Remove person to fresh air. If necessary, support breathing. Get Medical attention.
EYE CONTACT: Flush with water for 15 minutes. If irritation persists, get Medical attention.
SKIN CONTACT: Wash exposed area with mild soap and warm water only. Do not use harsh soap or solvent.
SKIN ABSORPTION: Get medical attention.
INGESTION: Keep person warm and quiet. Get Medical attention. Do not induce vomiting.

SECTION VI: REACTIVITY DATA

STABILITY: Stable.
INCOMPATIBILITY: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, sulfur and nitrogen compounds.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII: HANDLING PRECAUTIONS

IN CASE OF ACCIDENTAL RELEASE:
SMALL SPILLS: Use absorbent material.
LARGE SPILLS: Dike and pump into drums.
RESIDUE: Mop with soap and water.
WASTE DISPOSAL METHOD: Treat as an oily waste and dispose of in accordance with all local, state, and federal regulations.
STORAGE: Store dry in a closed container in a cool place away from any fire source.
OTHER PRECAUTIONS: NA

SECTION VIII PROTECTIVE MEASURES

VENTILATION: General mechanical ventilation should be adequate. If misting occurs, provide local ventilation.
PROTECTIVE GLOVES: The use of NEOPRENE gloves that are impermeable to oil is recommended.
EYE PROTECTION: Safety goggles with side shields or face shield are recommended.
OTHER PROTECTION: An emergency shower and eyewash should be available in the work area. Practice reasonable personal hygiene. Wash exposed skin with mild soap and warm water only. Oil-soaked clothing should be changed promptly and laundered before re-wearing.
SECTION IX: REGULATION COMPLIANCE INFORMATION

CAA: Contains no ozone depleting substance.
DOT: Not classified as hazardous.
RCRA: As received, not a hazardous waste material.
SARA: None.
TSCA: All ingredients are registered.
VOC: None.

SECTION X: HMIS

HEALTH: 1  
FLAMMABILITY: 1  
REACTIVITY: 0

Abbreviations and Symbols used in this MSDS:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>ND</td>
<td>Not Determined</td>
</tr>
<tr>
<td>BuAc</td>
<td>Butyl Acetate</td>
</tr>
<tr>
<td>&lt;</td>
<td>Less Than</td>
</tr>
<tr>
<td>&gt;</td>
<td>Greater Than</td>
</tr>
</tbody>
</table>

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