


DoALL Cutting Fluids

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Power-Cut™ 511
 PRODUCT CLASS: Water Soluble Oil Cutting Fluid
 CHEMICAL NAME: Petroleum Hydrocarbon with Additives
 MSDS No.: MS208

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 (SPECIFIC CHEMICAL IDENTITY)

INGREDIENTS (COMMON NAME(S))	CAS NO.	OSHA PEL	ACGIH TLV	NIOSH
Hydrotreated Light Napthenic Petroleum Distillate	64742-52-5	500 ppm	N.K.	350 ppm
Lubricating Oil	64742-58-1	500 ppm	N.K.	350 ppm
Base Stock and/or	64742-65-0	500 ppm	N.K.	350 ppm

Exposure Limit for Total Product: 5 mg/m3 for oil mist in air.

BASIS: OSHA REGULATIONS 29 CFR 1910.1000.

SECTION III: PHYSICAL DATA

Boiling Point: 465 °F
 Specific Gravity: 0.90 (15.6 C. / 15.6 C.)
 Vapor Pressure: ND
 Melting Point: NA
 Vapor Density: > than 5 (Air = 1)
 Evaporation Rate: ND (BuAc = 1)
 Solubility in Water: Emulsifies
 pH: 9.5 (@ 5%)
 Appearance: Clear Amber Liquid
 Odor: Mild Petroleum Odor

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT (minimum): 315 °F (ASTM D 92, COC)
 EXTINGUISHING MEDIA: Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents.

FIRE FIGHTING PROCEDURES:

Extinguishing Media may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire or circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's "Fire Protection Guide on Hazardous Materials", Eighth Edition (1984):

Use water spray, dry chemical, foam or carbon dioxide. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

**DECOMPOSITION PRODUCTS
UNDER FIRE CONDITIONS:**

Fume, smoke, carbon monoxide, aldehydes and other decomposition products, in the case of incomplete combustion.

**EMPTY CONTAINERS
WARNING:**

Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean, since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with local, state and federal regulations.

SECTION V: HEALTH HAZARD DATA

**VARIABILITY AMONG
INDIVIDUALS:**

Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

**EFFECTS OF
OVEREXPOSURE:**

(Signs and Symptoms of Exposure):

Prolonged or repeated skin contact may cause skin irritation.

SKIN CONTACT:

Prolonged or repeated skin contact with this product tends to remove skin oils possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

INHALATION:

Breathing difficulty.

EYE CONTACT: Product contacting the eyes may cause irritation.

INGESTION:

Nausea, and/or diarrhea.

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:

Avoid prolonged contact with undiluted concentrate.

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, and hydrogen chloride.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION VII: HANDLING PRECAUTIONS

**IN CASE OF ACCIDENTAL
RELEASE OR SPILL:**

Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

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: Avoid breathing MIST when handling concentrate.

SECTION VIII: PROTECTIVE MEASURES

VENTILATION: Use local exhaust to capture vapor, mists or fumes. If necessary, provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. Use explosion-proof equipment. No smoking or open lights.
 RESPIRATORY PROTECTION: Use supplied-air respiratory protection in confined or enclosed spaces if needed.
 EYE PROTECTION: Use splash goggles or face shield when eye contact may occur.
 OTHER PROTECTION: Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.
 PERSONAL HYGIENE: An emergency shower and eyewash station 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.
 MARPOL III: This product is NOT a Marine Pollutant.
 SARA (302/304): No chemical components present in this product exceed the de minimus reporting level established under this statute.
 SARA (311/312): This product would be classified under the following health categories: Delayed (Chronic) Health Hazard
 SARA (313): No chemical components present in this product exceed the de minimus reporting level established under this statute.
 CERCLA: No chemical components present in this product exceed the de minimus reporting level established under this statute.
 TSCA: All of components of this product are listed on the Toxic Substance Control Act (TSCA) inventory.
 VOC: None.

California Proposition 65: Per the **California Safe Drinking Water and Toxics Enforcement Act of 1986**, this product DOES NOT contain any of the ingredients for which the State of California has found to cause cancer, birth defects, or other reproductive harm, which requires a warning under the statute.

SECTION X: HMIS

HEALTH: 1
 FLAMMABILITY: 1
 REACTIVITY: 0

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