



PRODUCT DATA SHEET

DoALL Sawing Products • 2375B Touhy Avenue, Elk Grove Village, IL 60007 • 888-DoALLSAW • www.doallsawing.com

POWER-CUT

PRODUCT DESCRIPTION

Power-Cut is dark amber water-soluble oil cutting & grinding fluid that becomes whitish in color upon dilution. It is designed with a premium extreme pressure additive (EP) package for heavy duty machining applications of most materials. It is both operator and environmentally friendly. Power-Cut offers excellent corrosion protection on ferrous metals.

GENERAL APPLICATION

Power-Cut is typically used in heavy-duty machining applications like tapping, and sawing. It is suitable for use with a variety of materials including ferrous metals, cast iron, stainless steels, and non-ferrous alloys. It is non-staining to most copper and aluminum alloys

ATTRIBUTES

- Excellent corrosion protection
- Excellent tool life
- Good surface finish
- Ferrous & non-ferrous metals and super alloys
- Heavy duty applications

TYPICAL PHYSICAL PROPERTIES

Appearance:	
Undiluted Concentrate:	Clear, dark fluid
Weight/Gallon (25° C):	7.90 lbs./gal
Typical Dilution:	Milky Whitish fluid
Flash Point:	350° F

APPLICATION INFORMATION

Operation	Dilution	Refractometer Reading	pH
Sawing	10:1	10.0	9.1
General Machining	20:1	5.0	8.9
Grinding	25:1	4.0	8.8

DIRECTIONS

Add desired amount of water to sump. Add desired amount of undiluted Power-Cut to the water in the sump. Use moderate agitation to mix thoroughly by pump circulation or by stirring. Measure refractometer readings and adjust as necessary. For optimal coolant performance, it is important to maintain consistent coolant concentrations. Check concentration levels daily with a refractometer. Effort should be made to remove tramp oil contamination on a regular basis. Prevent the addition of other contaminants to the fluid system

*Solutions For **ALL** Your Sawing Needs*



DoALL Cutting Fluids
2375b Touhy Avenue
Elk Grove Village, IL 60007
Phone: 888/362-5572 x68916 • Fax: 847/803-1447

MATERIAL SAFETY DATA SHEET

I. CHEMICAL PRODUCT AND MANUFACTURER IDENTIFICATION

PRODUCT NAME: Power-Cut
PRODUCT CLASS: Water Soluble Oil Cutting Fluid
MSDS NO.: MS208

MANUFACTURER'S NAME: DoALL COMPANY
ADDRESS: 2375-B Touhy Ave., Elk Grove Village, IL 60007
EMERGENCY PHONE: (800) 535-5053 (INFOTRAC)
GENERAL INFORMATION: (888) 362-5572 x68916
REVISION DATE: January 26, 2007

II. HAZARDOUS INGREDIENTS IDENTIFICATION

OCCUPATIONAL EXPOSURE LIMITS				
INGREDIENTS	CAS #	OSHA PEL	ACGIH TLV	PERCENT
Hydrotreated Light Napthenic Petroleum Distillate	64742-52-5	500 ppm	N.D.	350 ppm
Lubricating Oil	64742-58-1	500 ppm	N.D.	350 ppm
Base Stock and/or	64742-65-0	500 ppm	N.D.	350 ppm

NOTE: This product is not considered hazardous under the law.

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

IV. FIRE AND EXPLOSION DATA

FLASH POINT (minimum): 315 °F (ASTM D 92, COC)

EXTINGUISHING MEDIA: 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.

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):

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: Fume, smoke, carbon monoxide, aldehydes and other decomposition products, in the case of incomplete combustion.

FIRE FIGHTING PROCEDURES: The extinguishing media agents mentioned 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. Wear SCBA gear in fire

UNUSUAL FIRE AND EXPLOSION HAZARDS

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.

V. HEALTH HAZARD DATA

ROUTES OF EXPOSURE AND EFFECTS OF OVER-EXPOSURE

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.

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

INHALATION: Breathing difficulty. Comprehensive exposure to mist may cause upper respiratory irritation.

EYE CONTACT: Minor irritation such as stinging sensation in the eye.

INGESTION: If swallowed in small quantities, may cause nausea, vomiting or Diarrhea.

CARCINOGENICITY:

LISTED BY NTP: No

LISTED BY IARC: No

LISTED BY OSHA: No

EMERGENCY FIRST AID PROCEDURES

INHALATION: Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen, if available. If over exposed to oil mist, remove from further exposure until excessive oil mist condition subsides.

INGESTION: If ingested, DO NOT INDUCE VOMITING. Immediately seek medical attention.

EYE CONTACT: If splashed into the eyes, flush with clear water for 15 minutes lifting upper and lower lids until any discomfort subsides. Remove contact lenses if applicable. If irritation persists seek medical attention.

SKIN CONTACT: In case of skin contact, remove any contaminated clothing. Wash skin thoroughly with plenty of mild soap and flowing warm water only for a minimum of 15 minutes. Do not use harsh soap or solvent.

SKIN ABSORPTION: Avoid prolonged contact with undiluted concentrate.

IV. REACTIVITY DATA

STABILITY:	This product is stable and will not react violently with water.
INCOMPATIBILITY:	Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon, sulfur and nitrogen compounds, hydrogen chloride.
HAZARDOUS POLYMERIZATION:	Will not occur.

VII. HANDLING PRECAUTIONS

IN CASE OF ACCIDENTAL RELEASE:

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.

SMALL SPILLS:	Use absorbent material.
LARGE SPILLS:	Dike and pump into drums.
WASTE DISPOSAL METHOD:	Treat as an oily waste and dispose of in accordance with local, state, and federal regulations.
STORAGE:	Store in a closed container in a cool place away from any fire source at <85°F.
OTHER PRECAUTIONS:	Avoid breathing MIST when handling concentrate.

VIII. PROTECTIVE MEASURES

VENTILATION:	General mechanical ventilation should be adequate. If misting occurs, provide local ventilation. No smoking or open lights.
RESPIRATORY PROTECTION:	Use supplied-air respiratory protection in confined or enclosed spaces, if needed.
PROTECTIVE GLOVES:	The use of NEOPRENE gloves that are impermeable to oil is recommended.
EYE PROTECTION:	Use safety 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.

IX. REGULATION COMPLIANCE INFORMATION

CAA: Contains no ozone depleting substance.

DOT: Not classified as hazardous.

RCRA: As received, not a hazardous waste material.

SARA 302/304: The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). No chemical components present in this product exceed the de minimus reporting level established under this statute.

SARA 311/312: The Superfund Amendments and Reauthorization Act of 1989 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by A Hazard Category as defined in 40 CFR 370.2.

SARA 313: The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of an annual A Toxic Chemicals Release Inventory report under 40 CFR 372. Chemical substances that must be accounted for under SARA Section 313 must also be identified in all product MSDSs that are impacted by the regulation. No chemical components present in this product exceed the de minimus reporting level established under this statute.

TSCA: All of the 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.

X. HMIS

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

XI. WHIMIS

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

XII. Abbreviations and Symbols used in this MSDS

NA Not Applicable < - Less Than

ND Not Determined > - Greater Than

BuAc Butyl Acetate

Data in this MSDS is believed to be correct and reliable. However, The DoALL Co. does not assume responsibility for it, or any recommendations contained in it, inasmuch as conditions and methods of use are beyond our control. Further, we make no warranty, expressed or implied, of any kind regarding this product or its use, and purchaser assumes all risks of use or handling either in accordance with directions or not.