



PRODUCT DATA SHEET

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

KOOL-ALL

PRODUCT DESCRIPTION

Kool-ALL is a clear, dark blue semi-synthetic cutting & grinding fluid. Kool-ALL is designed primarily for light to medium machining of ferrous and non-ferrous metals. Kool-ALL is formulated to contain no chlorine, sulfur, or phosphorous additives. It is operator and environmentally safe, exhibits good detergency, and rejects tramp oil. It offers long sump life and is easily maintained.

ATTRIBUTES

- Excellent corrosion protection
- Outstanding oil rejection
- No chlorine, sulfur, or phosphorous additives
- Good detergency and high workpiece visibility
- Long fluid life

TYPICAL PHYSICAL PROPERTIES

Appearance:

Undiluted Concentrate:	Clear, dark blue fluid
Weight/Gallon (25° C):	8.55lbs/gal
Typical Dilution:	Clear, light to opaque blue fluid
Flash Point:	None

Application Information

<u>Operation</u>	<u>Dilution</u>	<u>Refractometer Reading</u>	<u>pH</u>
Sawing	10:1	5.1	9.7
General Machining	20:1	2.6	9.4
Grinding	25:1	2.0	9.4

DIRECTIONS

Add desired amount of water to sump. Add desired amount of undiluted Kool-ALL 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.

Data in this Product Data Sheet is believed to be correct and reliable. However, the DoALL Company 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.

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: Kool-ALL
PRODUCT CLASS: Semi-Synthetic Cutting Fluid
MSDS NO.: MS223
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: September 1, 2007

II. HAZARDOUS INGREDIENTS IDENTIFICATION



OCCUPATIONAL EXPOSURE LIMITS				
INGREDIENTS	CAS #	OSHA PEL	ACGIH TLV	PERCENT
Mineral Oil	Proprietary	5 mg./cu. m.	5 mg./cu. m.	20.0
Triethanolamine	102-71-6	5 mg./cu. m.	5 mg./cu. m.	10.0-15.0
Monoethanolamine	141-43-5	3ppm	3ppm	<5

NOTE: This product is considered a primary eye irritant. Additional Health Affects: None associated with this product.

III. PHYSICAL DATA

Boiling Point: ND
Specific Gravity: 1.02 (Water = 1)
Vapor Pressure: ND
Melting Point: NA
Vapor Density: >1 (air = 1)
Evaporation Rate: ND (BuAc = 1)
Solubility in Water: Soluble
pH: 9.4 (@ 5%)
Appearance: Blue Liquid
Odor: Mild

IV. FIRE AND EXPLOSION DATA

FLASH POINT: NA

EXTINGUISHING MEDIA: Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents.

**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 area.

**UNUSUAL FIRE AND
EXPLOSION HAZARDS:**

None

V. HEALTH HAZARD DATA

ROUTES OF EXPOSURE AND EFFECTS OF OVER-EXPOSURE

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

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

SKIN CONTACT: Minor irritation to the skin if used as directed and good personal hygiene practiced.

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: Seek medical attention.

VI. 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 and sulfur compounds.

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.

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: 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. Remove contaminated shoes, thoroughly clean before reuse and discard if oil-soaked.

PERSONAL HYGIENE: Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with mild soap and warm water.

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 CRF 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.

X. HMIS

HEALTH:

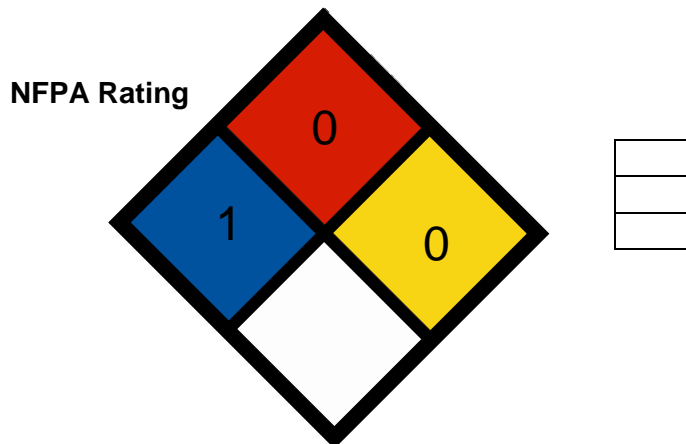
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FLAMMABILITY:

0

REACTIVITY:

0



XI. 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.