

MATERIAL SAFETY DATA SHEET

SECTION I: CHEMICAL PRODUCT AND MANUFACTURING IDENTIFICATION

PRODUCT NAME: KLEEN KOOL - ULTRA®
 PRODUCT CLASS: WATER SOLUBLE CUTTING FLUID

 MANUFACTURER'S NAME: DOALL COMPANY
 ADDRESS: 1480 S. WOLF ROAD
 WHEELING, IL 60090
 EMERGENCY PHONE: (800) 535-5053 (INFOTRAC)
 GENERAL INFORMATION: (888) 362-5572 EXT. 65047
 REVISION DATE: JANUARY 4, 2010

SECTION II: COMPOSITION / INFORMATION ON INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS				
INGREDIENTS	CAS #	OSHA PEL	ACGIH TLV	PERCENT
POLYALKYLENE GLYCOL	9038-95-3	NONE DETERMINED	NONE DETERMINED	5-10%
TRIETHANOLAMINE	102-71-6	5 MG./CU.M.	5 MG./CU.M.	10-15%
BUTYL ACID PHOSPHATE	1623-15-0	NONE DETERMINED	NONE DETERMINED	1-3%

SECTION III: HAZARD IDENTIFICATION

EFFECTS OF OVEREXPOSURE: INHALATION: SHORTNESS OF BREATH. EYE: CAN CAUSE MINOR IRRITATION. SKIN: DEFATTING AND/OR MINOR IRRITATION. INGESTION: MAY CAUSE NAUSEA AND/OR DIARRHEA.



HMIS RATING: 1 - 0 - 0
 NFPA RATING: 1 - 0 - 0

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT, SKIN ABSORPTION, INHALATION, INGESTION, EYE CONTACT.

ACUTE TOXICITY: NOT DETERMINED

EFFECTS OF OVEREXPOSURE:

EYE CONTACT: MINOR IRRITATION SUCH AS STINGING SENSATION IN THE EYE.
SKIN CONTACT: PROLONGED CONTACT MAY RESULT IN IRRITATION IF NOT USED AS DIRECTED. MAY AGGRAVATE EXISTING SKIN CONDITIONS WHERE FURTHER DEFATTING OR SKIN PENETRATION COULD OCCUR. USE A BARRIER CREAM AS A TEMPORARY CONTROL MEASURE.
INHALATION: PROLONGED EXPOSURE TO MIST MAY CAUSE UPPER RESPIRATORY IRRITATION.
INGESTION: MAY CAUSE NAUSEA AND/OR DIARRHEA IF SWALLOWED IN SMALL QUANTITIES.
CHRONIC HAZARDS: THERE ARE NO FORESEEABLE USES OF THE PRODUCT THAT WOULD LEAD TO CHRONIC EXPOSURE.
CARCINOGENICITY: LISTED BY NTP, IARC, AND OSHA: NO

VARIABILITY AMONG INDIVIDUALS: HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS AND SYNTHETIC LUBRICANTS POSE POTENTIAL HUMAN HEALTH RISKS THAT MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS, VAPORS, MISTS OR FUMES SHOULD BE MINIMIZED.

SECTION IV: FIRST AID INFORMATION

INHALATION: REMOVE INDIVIDUAL TO FRESH AIR. GIVE OXYGEN IF BREATHING IS LABORED. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND IMMEDIATELY SEEK MEDICAL ATTENTION.

EYES: REMOVE CONTACT LENSES. FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 20 MINUTES. LIFTING UPPER AND LOWER LIDS OCCASIONALLY. SEEK MEDICAL ATTENTION.

SKIN: THOROUGHLY WASH EXPOSED SKIN WITH MILD SOAP AND WATER. SEEK MEDICAL ATTENTION.

IF SWALLOWED: DO NOT INDUCE VOMITTING. IMMEDIATELY DRINK TWO GLASSES OF WATER. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION.

SECTION V: FIRE FIGHTING INFORMATION

FLASH POINT: NOT APPLICABLE.

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM OR DRY CHEMICAL.

FIRE/EXPLOSION HAZARDS: NONE.

FIREFIGHTING: 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.

FIRE EQUIPMENT: WEAR A FULL FACE POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS (NIOSH/MSHA) AND PROTECTIVE GEAR (SBCA) WHEN FIGHTING FIRE.

SECTION VI: SPILL OR LEAK PROCEDURES

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. SCRAPE UP MATERIAL AND PLACE IN A CHEMICAL WASTE CONTAINER. DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

LARGE SPILLS: DIKE AHEAD OF SPILL FOR LATER DISPOSAL. DO NOT DISCHARGE EFFLUENT OF THIS PRODUCT INTO LAKES, STREAMS OR OTHER WATERS UNLESS IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.

OTHER PRECAUTIONS: AVOID BREATHING MIST WHEN HANDLING CONCENTRATE.

SECTION VII: HANDLING AND STORAGE

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. STORE IN A CLOSED CONTAINER IN A COOL PLACE.

DO NOT STORE IN DIRECT SUNLIGHT, NEAR OPEN FLAMES/SPARKS OR AT TEMPERATURES EXCEEDING 85°F.

SECTION VIII: EXPOSURE CONTROLS

PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINE.

RECOMMENDED FOR PROLONGED OR REPEATED CONTACT. WEAR PROTECTIVE EQUIPMENT RECOMMENDED FOR USE WITH CHEMICALS LISTED IN SECTION II.

CONTAMINATED EQUIPMENT/GEAR: LAUNDER ALL CONTAMINATED CLOTHING PRIOR TO RE-USE.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	AMBER LIQUID
ODOR:	MILD SWEET
BOILING POINT:	212°F
VAPOR PRESSURE:	NOT DETERMINED
MELTING POINT:	NOT APPLICABLE
VAPOR DENSITY:	NONE DETERMINED
EVAPORATION RATE:	NONE DETERMINED (BuAc = 1)
SOLUBILITY IN WATER:	SOLUBLE
pH:	10.0
VOC:	<5%

SECTION X: STABILITY AND REACTIVITY

STABLE UNDER NORMAL CONDITIONS. KEEP AWAY FROM HEAT, SPARKS OR OPEN FLAMES.

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 IN NORMAL CONDITIONS.

SECTION XI: TOXICOLOGY

NOT DETERMINED.

SECTION XII: ECOLOGICAL

NOT DETERMINED.

SECTION XIII: DISPOSAL

EMPTY CONTAINERS MAY BE DISPOSED OF THROUGH NORMAL CHANNELS. FULL OR PARTIALLY FULL CONTAINERS ARE CONSIDERED HAZARDOUS WASTE AND MUST BE DISPOSED OF ACCORDINGLY. FOLLOW LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION XIV: TRANSPORTATION

DEPARTMENT OF TRANSPORTATION (DOT): NOT CLASSIFIED AS HAZARDOUS.

SECTION XV: REGULATORYCERCLA

NO COMPONENTS OF THIS PRODUCT ARE PRESENT AT LEVELS THAT REQUIRE REPORTING UNDER 40 CFR 302.4.

SARA SECTION 311 AND 312 HAZARDOUS SUBSTANCES

THIS PRODUCT IS A HAZARDOUS SUBSTANCE AS DEFINED UNDER THE OSHA HAZARD COMMUNICATION STANDARD AND MAY BE REPORTABLE UNDER THE PROVISIONS OF SARA SECTIONS 311 AND 312.

ACCUTE HEALTH:	YES
CHRONIC HEALTH:	NO
FIRE:	YES
SUDDEN RELEASE OF PRESSURE:	NO
REACTIVE:	NO

SARA SECTION 313

NO CHEMICAL COMPONENTS PRESENT IN THIS PRODUCT EXCEED THE DE MINIMUS REPORTING LEVEL ESTABLISHED UNDER THIS STATUTE.

TOXIC SUBSTANCE CONTROL ACT (TSCA)

ALL OF THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY.

RCRA

THIS PRODUCT DOES NOT MEET THE DEFINITION OF A HAZARDOUS WASTE AS DEFINED UNDER 40 CFR 261.

CALIFORNIA PROPOSITION 65

NO PROPOSITION 65 CHEMICALS EXIST IN THIS PRODUCT.

RIGHT TO KNOW ACT

SEVERAL STATES HAVE ENACTED RIGHT-TO-KNOW LAWS. THESE LAWS REQUIRE INFORMATION THAT IS BEYOND THAT MANDATED BY FEDERAL LAWS. THEREFORE, AS SOME OF THESE LAWS ARE INCONSISTENT WITH MANDATED FEDERAL LAWS, THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET MAY NOT COMPLETELY MEET THE REQUIREMENTS OF EVERY STATE.

SECTION XVI: OTHER INFORMATION

INTENTIONAL MISUES BY DELIBERATELY CONCENTRATING VAPORS AND INHALING CONTENTS CAN BE HARMFUL OR FATAL.