

# MATERIAL SAFETY DATA SHEET

## SECTION I: CHEMICAL PRODUCT AND MANUFACTURING IDENTIFICATION

PRODUCT NAME: GEAR OIL 100  
 PRODUCT CLASS: MACHINE LUBRICANT  
 MSDS NO.: MS263  
  
 MANUFACTURER'S NAME: DOALL COMPANY  
 ADDRESS: 1480 S. WOLF ROAD  
 WHEELING, IL 60090  
 EMERGENCY PHONE: (800) 535-5053 (INFOTRAC)  
 GENERAL INFORMATION: (800) 923-6255  
 REVISION DATE: JUNE 2010

## SECTION II: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	OSHA PEL	ACGIH TLV	PERCENT
SOLVENT REFINED PARAFFINIC OIL	64742-57-0	5 MG/M <sup>3</sup>	5 MG/M <sup>3</sup>	85-95
ZINC DIALKYL DITHIOPHOSPHATE	68457-79-4	----	----	1-3
BARIUM SUFONATE	61790-48-5	----	----	1-3

## SECTION III: HAZARD IDENTIFICATION



HMIS RATING: 2 - 1 - 1  
 NFPA RATING: 2 - 1 - 1

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

ACCUTE TOXICITY: NOT DETERMINED

### EFFECTS OF OVEREXPOSURE:

**EYE CONTACT:** CONTACT MAY CAUSE MINOR IRRITATION. SEEK MEDICAL ATTENTION IF PROBLEM PERSISTS.  
**SKIN CONTACT:** PROLONGED OR REPEATED CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS (RASH). IF AN EVENT OCCURS SEEK MEDICAL ATTENTION.  
**INHALATION:** PROLONGED INHALATION MAY CAUSE BREATHING DIFFICULTY.  
**INGESTION:** MAY CAUSE NAUSEA AND/OR DIARRHEA. SEEK MEDICAL ATTENTION IF PROBLEM PERSISTS.

## SECTION IV: FIRST AID INFORMATION

**INHALATION:** REMOVE INDIVIDUAL TO FRESH AIR. GIVE OXYGEN IF BREATHING IS LABORED. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. DO NOT USE MOUTH-TO-MOUTH METHOD IF VICTIM INHALED THE SUBSTANCE. KEEP PERSON WARM, QUIET AND 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 SOAP AND WATER. SEEK MEDICAL ATTENTION.

IF SWALLOWED: IF MATERIAL IS INGESTED, IMMEDIATELY CONTACT A POISON CONTROL CENTER. RINSE MOUTH. DO NOT INDUCE VOMITTING WITHOUT THE ADVICE FROM POISON CONTROL CENTER. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD TO REDUCE RISK OF ASPIRATION. DO NOT USE MOUTH-TO-MOUTH METHOD IF VICTIM INGESTED THE SUBSTANCE. INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION.

#### **SECTION V: FIRE FIGHTING INFORMATION**

FLASH POINT: 475°F (COC) Estimated

FLAMMABLE LIMITS: NOT ESTABLISHED

AUTOIGNITION TEMP: NOT DETERMINED.

EXTINGUISHING MEDIA: CO<sub>2</sub>, DRY CHEMICAL, OR FOAM.

FIREFIGHTING: IN THE EVENT OF FIRE AND/OR EXPLOSION DO NOT BREATHE FUMES. WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF-CONTAINED POSITIVE PRESSURE OR PRESSURE DEMAND BREATHING APPARATUS, PROTECTIVE CLOTHING AND FACE MASK. CONTAINERS SHOULD BE COOLED WITH WATER. FOR MASSIVE FIRE, USE UNMANNED HOSE HOLDERS OR MONITOR NOZZLES; COOL CONTAINERS WITH FLOODING QUANTITIES OF WATER UNTIL WELL AFTER FIRE IS OUT.

HAZARDOUS COMBUSTIBLE PRODUCTS: OXIDES OF CARBON AND SULFUR COMPOUNDS.

#### **SECTION VI: SPILL OR LEAK PROCEDURES**

GENERAL SPILL PROCEDURE: ISOLATE SPILL OR LEAK AREA IMMEDIATELY. KEEP UNAUTHORIZED PERSONNEL AWAY. VENTILATE AREA AND ELIMINATE ALL IGNITION SOURCES. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. MOVE THE CYLINDER TO A SAFE AND OPEN AREA IF THE LEAK IS IRREPARABLE. STOP THE FLOW OF MATERIAL, IF THIS IS WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS OR DIVERT VAPOR CLOUD DRIFT. PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED AREAS.

SMALL SPILLS: WIPE UP WITH ABSORBENT MATERIAL (E.G. CLOTH, FLEECE). CLEAN CONTAMINATED SURFACE THOROUGHLY. AFTER REMOVAL FLUSH CONTAMINATED AREA THOROUGHLY WITH WATER.

LARGE SPILLS: SHOULD NOT BE RELEASED INTO THE ENVIRONMENT. DIKE AND PUMP INTO DRUMS.

#### **SECTION VII: HANDLING AND STORAGE**

KEEP CONTAINER CLOSED. STORE IN A COOL, WELL VENTILATED PLACE. KEEP AWAY FROM HEAT, SPARKS, AND FLAME. EMPTY CONTAINERS MAY CONTAIN RESIDUE.

**SECTION VIII: EXPOSURE CONTROLS**

OCCUPATIONAL EXPOSURE LIMITS				
COMPONENTS	CAS #	OSHA	ACGIH	OTHER
SOLVENT REFINED PARAFFINIC OIL	64742-57-0	5 MG/M <sup>3</sup>	5 MG/M <sup>3</sup>	

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

RECOMMENDED FOR PROLONGED OR REPEATED CONTACT. THE USE OF NEOPRENE GLOVES THAT ARE IMPERMEABLE TO OIL IS RECOMMENDED OR BARRIER CREAM. SAFETY GOGGLES OR FACE SHIELD ARE RECOMMENDED. 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.

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

**SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: AMBER LIQUID  
 ODOR: PETROLEUM  
 PHYSICAL STATE: LIQUID  
 VAPOR PRESSURE: NONE DETERMINED  
 SPECIFIC GRAVITY: 0.889 (WATER = 1)  
 VAPOR DENSITY: >1 (AIR = 1)  
 EVAPORATION RATE: NONE DETERMINED (BuAc=1)  
 SOLUBILITY: INSOLUBLE  
 pH: NOT APPLICABLE  
 MELTING POINT: NOT APPLICABLE  
 BOILING POINT: NONE DETERMINED

**SECTION X: STABILITY AND REACTIVITY**

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

AVOID CONTACT WITH STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND SULFUR COMPOUNDS.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

**SECTION XI: TOXICOLOGY**

CARCINOGENICITY: LISTED BY NTP/IARC/OSHA: NO

**SECTION XII: ECOLOGICAL**

NOT DETERMINED.

**SECTION XIII: DISPOSAL**

TREAT AS AN OILY WASTE. EMPTY CONTAINERS MAY BE DISPOSED OF THROUGH NORMAL CHANNELS. FULL OR PARTIALLY FULL CONTAINERS ARE CONSIDERED HAZARDOUS WASTE AND MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

**SECTION XIV: TRANSPORTATION**

DEPARTMENT OF TRANSPORTATION: NOT REGULATED.

**SECTION XV: REGULATORY**

CAA: CONTAINS NO OZONE DEPLETING SUBSTANCE  
DOT: NOT CLASSIFIED AS HAZARDOUS  
RCRA: AS RECEIVED, NOT A HAZARDOUS WASTE MATERIAL  
SARA: CONTAINS 2% BARIUM SULFONATE (61790-48-5)  
CONTAINS 2% ZINC DIALKYL DITHIOPHOPHATE (68457-79-4)  
TSCA: ALL INGREDIENTS ARE REGISTERED

**SECTION XVI: OTHER INFORMATION**

THIS DOCUMENT HAS UNDERGONE SIGNIFICANT CHANGES AND SHOULD BE REVIEWED IN ITS ENTIRETY.

DATA IN THIS MATERIAL SAFETY 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. THE DATA PROVIDED ON THIS MATERIAL SAFETY DATA SHEET IS NOT MEANT TO BE USED AS SPECIFICATIONS, ONLY AS GUIDELINE INFORMATION AS TO THE SAFE USE OF THE PRODUCT. THE USER SHOULD REFER TO APPLICABLE LAWS BEFORE USE. THIS MATERIAL SAFETY DATA SHEET COMPLIES WITH GUIDELINES SET BY 29CFR1910.1200.