

MSDS DATA SHEET

Created on 10/09/2003

Part Number: 12345718

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

CHEMISTRI 10/09/03

DISPLAY MATERIAL SAFETY DATA SHEET 10:00:17

SCREEN QA06__ KEY 0000940562,0000000018_____

FID#: 00041119 VER-DT: 06/24/96

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: R-174-B SPECIAL LUBRICANT
PLANT SYNONYMS: GOODWRENCH SPECIAL LUBRICANT
> SPECIAL LUBRICANT - LOW TEMPERATURE
> 12345718

MSDS SIGNED BY TITLE: VICE PRESIDENT

SAFE USE CATEGORY AND DESCRIPTION: 04 -METAL WORKING FLUIDS AND LUBRICANTS

LAST UPDATED DATE: 1996-06-24

MANUFACTURER'S ID (MID): 000551064
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 313-451-2800 EMERGENCY
MANUFACTURER'S MAILING ADDRESS:
45800 MAST STREET
PLYMOUTH MI 48170-6007
US

CHEMICAL FAMILY NAME: PETROLEUM HYDROCARBON AND ADDITIVES

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS# FORMULATION W/V CHEMICAL NAME
001314132 < 0.0000/ 5.0000% W ZINC OXIDE
004485125 R 4.0000/ 9.0000% W STEARIC ACID, LITHIUM SALT
008042475 R 72.0000/ 77.0000% W MINERAL OIL, SLAB OIL
009002840 = 15.0000/ 0.0000% W ETHYLENE, TETRAFLUORO-, POLYMER
SECTION 2 - OTHER INFORMATION: NO TOXIC OR HAZARDOUS MATERIALS

THRESHOLD LIMIT VALUE: 5 MG/M3 FOR OIL MIST IN AIR. OSHA REGULATION 29 CFR 1910.1000.

SECTION 03: HAZARDS IDENTIFICATION

PRIMARY ENTRY ROUTE INDICATORS:
SKIN PRIMARY ENTRY ROUTE INDICATOR = Y
EYE PRIMARY ENTRY ROUTE INDICATOR = Y
INHALATION PRIMARY ENTRY ROUTE INDICATOR = Y
PRIMARY ROUTES OF ENTRY TEXT: SKIN, EYES, INHALATION (HIGH TEMPERATURES ONLY).

EFFECTS OF OVEREXPOSURE: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN IRRITATION. PRODUCT CONTACTING THE EYES MAY CAUSE EYE IRRITATION. EXPOSURE TO LIQUIDS, VAPORS, MISTS AND FUMES SHOULD BE MINIMIZED. THIS PRODUCT HAS A LOW ORDER OF ACUTE ORAL TOXICITY, BUT MINUTE AMOUNTS ASPIRATED INTO THE LUNGS DURING INGESTION MAY CAUSE MILD TO SEVERE PULMONARY INJURY.

EFFECTS OF OVEREXPOSURE - SKIN ACUTE: POSSIBLE SKIN IRRITATION.
EFFECTS OF OVEREXPOSURE - EYE ACUTE: POSSIBLE EYE IRRITATION.
EFFECTS OF OVEREXPOSURE - INHALATION ACUTE: POSSIBLE RESPIRATORY
PASSAGE IRRITATION AT HIGH TEMPERATURES.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - SKIN: WASH WITH SOAP AND WATER. REMOVE ANY CONTAMINATED CLOTHING AND WASH WITH SOAP AND WARM WATER.
EMERGENCY FIRST AID PROCEDURES - EYES: FLUSH THOROUGHLY WITH CLEAR IRRITATION PERSISTS.
EMERGENCY FIRST AID PROCEDURES - INHALATION: MOVE TO FRESH AIR AND REFER TO A PHYSICIAN FOR TREATMENT.
EMERGENCY FIRST AID PROCEDURES - INGESTION: CONTACT PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING.

SECTION 4 - OTHER INFORMATION: INJECTION: CONSULT PHYSICIAN IMMEDIATELY. // EXERCISE ORDINARY MEASURES OF PERSONAL HYGIENE.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: = 0.90
FLAMMABLE UEL: = 7.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER SPRAY.
SPECIAL FIRE FIGHTING PROCEDURES: AVOID SMOKE INHALATION. WATER OR FOAM MAY CAUSE FROTHING. COOL EXPOSED CONTAINER WITH WATER. USE AIR-SUPPLIED RESCUE EQUIPMENT FOR ENCLOSED AREAS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE. DO NOT STORE OR MIX WITH STRONG OXIDANTS. EMPTY CONTAINERS RETAIN RESIDUE. DO NOT CUT, DRILL, GRIND OR WELD, AS THEY MAY EXPLODE.

HMIS CODES:

HMIS REACTIVITY CODE =	0
HMIS HEALTH CODE =	1
HMIS FLAMMABILITY CODE =	1
NFPA CODES:	
NFPA FLAMMABILITY CODE =	1
NFPA HEALTH CODE =	1
NFPA REACTIVITY CODE =	0

FLASH POINT METHOD: COC

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: WIPE OR SCRAPE UP SPILLAGE AND PLACE IT IN A CONTAINER FOR DISPOSAL. WASH WALKING SURFACES THOROUGHLY WITH DETERGENT AND WATER TO REDUCE SLIPPING HAZARD. KEEP PETROLEUM PRODUCTS OUT OF SEWERS AND WATER COURSES. ADVISE AUTHORITIES IT PRODUCT HAS OR MAY ENTER SEWERS AND WATER COURSES.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORAGE SEGREGATION: NOT NEEDED. // SPECIAL HANDLING/STORAGE: EXERCISE ORDINARY CARE IN

SECTION 7 - OTHER INFORMATION: KEEP CONTAINERS CLOSED WHEN NOT IN USE.

DO NOT HANDLE OR STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. AVOID CONTAMINATION OF CIGARETTES OR OTHER TOBACCO PRODUCTS. WASH HANDS THOROUGHLY BEFORE SMOKING. USERS SHOULD BE ALERT TO THE POSSIBILITY THAT VERY SMALL PERCENTAGES OF THE POPULATION MAY DISPLAY UNEXPECTED ALLERGIC SKIN REACTIONS TO OTHERWISE INNOCUOUS INDUSTRIAL CHEMICALS AND RAW MATERIALS.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: SAFETY GLASSES RECOMMENDED.

RESPIRATORY PROTECTION: NOT REQUIRED UNLESS MISTS, SMOKE OR VAPORS ARE PRODUCED AT HIGH TEMPERATURES.

VENTILATION: NONE REQUIRED UNLESS MISTS, SMOKE OR VAPORS ARE PRODUCED AT HIGH TEMPERATURES.

PERSONAL PROTECTIVE EQUIPMENT: USE OIL RESISTANT APRON, IF NEEDED.

PROTECTIVE GLOVES (SPECIFY TYPE): OIL RESISTANT GLOVES RECOMMENDED, ESPECIALLY TO AVOID PROLONGED OR REPEATED SKIN CONTACT. // NEOPRENE OR NITRILE GLOVES RECOMMENDED.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

THEORETICAL VOC WITHOUT WATER: NIL.

BOILING POINT TEMPS: > 550.00F

VAPOR DENSITY VALUES: > 5.0000

VAPOR PRESSURE VALUES/UOM: < 0.0100MMHG

EVAPORATION RATE VALUES: < 0.01

SOLUBILITY IN WATER TEXT: NEGLIGIBLE

APPEARANCE: SMOOTH, BLUE GREASE.

ODOR: MINERAL OIL ODOR.

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

INCOMPATIBLE MATERIALS: AVOID CONTACT WITH STRONG OXIDANTS, SUCH AS LIQUID CHLORINE AND CONCENTRATED OXYGEN.

HAZARDOUS DECOMPOSITION PRODUCTS: BURNING MAY PRODUCE CARBON MONOXIDE, AS WELL AS SMALL AMOUNTS OF OTHER TOXIC FUMES.

HAZARDOUS POLYMERIZATION INDICATOR: N
HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR.

SECTION 10 - OTHER INFORMATION: AVOID CONTAMINATION OF CIGARETTES OR OTHER TOBACCO PRODUCTS.

SECTION 11: TOXICOLOGICAL INFORMATION

(HIGH TEMPERATURES ONLY).

CHRONIC EFFECTS: NONE KNOWN.

CARCINOGENICITY: THIS PRODUCT IS NOT CONSIDERED A HUMAN CARCINOGEN BY ANY RECOGNIZED SOURCE.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: ASSURE CONFORMITY WITH APPLICABLE DISPOSAL REGULATIONS. CONSULT LOCAL; STATE AND FEDERAL REGULATIONS APPLICABLE TO YOUR AREA.

*** END OF DATA SHEET ***