

KEYSTONE LUBRICANTS -- KEYCUT SOLUBLE, G4K221K -- 9150-00-967-5860

===== Product Identification =====

Product ID:KEYCUT SOLUBLE, G4K221K

MSDS Date:06/23/1993

FSC:9150

NIIN:00-967-5860

MSDS Number: BWNLC

=== Responsible Party ===

Company Name:KEYSTONE LUBRICANTS

Address:5 N STILES ST

City:LINDEN

State:NJ

ZIP:07036

Country:US

Info Phone Num:908-862-9300

Emergency Phone Num:908-862-9300

Preparer's

Name:PETER KONOPI

CAGE:75262

=== Contractor Identification ===

Company Name:KEYSTONE LUBRICANTS

Address:5 N STILES ST

Box:City:LINDEN (WAS IN KING OF PRUSSIA,PA)

State:NJ

ZIP:07036

Country:US

Phone:800-344-2241

CAGE:75262

===== Composition/Information on Ingredients =====

Ingred Name:PETROLEUM-BASED LUBRICATING OIL CONTAINING ING 2 OR 3

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (SEVERE)

LIGHT NAPHTHENIC

CAS:64742-53-6

RTEC

S #:PY8036001
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (SEVERE),
HEAVY NAPHTHENIC
CAS:64742-52-5
RTECS #:PY8035001
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:SODIUM PETROLEUM SULFONATE
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:SUPDAT: DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED
& RETURNED TO DRUM RECONDITIONER. ALL OTHER CNTNRS (ING 6)
RTECS #:9999999ZZ

Ingred Name:ING 5: SHOULD BE DISPOSED OF IN ENVIRO
N SAFE MANNER & I/A/W
GOVT REGS. FOR WORK ON TANKS REFER TO OSHA REG (ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6: ANSI Z49.1 & OTHER GOVT & CONTEMPLATED OPERATIONS.
RTECS #:9999999ZZ

Ingred Name:RESP PROT: TYPE UNDER CNDTNS EXCEEDING TWA STANDARD.
RTECS #:9999999ZZ

Ingred Name:VENT: THAN 60 FT PER MIN HOOD FACE VELOCITY FOR CONFINED
SPACES. PROVIDE VENT SUFFICIENT TO PVNT EXCEEDING (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9: RECOM EXPOS LIMIT OR BUILDUP OF EXPLOSIVE
CONCENTRATI
ONS OF VAPOR IN AIR.
RTECS #:9999999ZZ

Ingred Name:HYGIENE PRACT: REUSE. REMOVE CONTAMD SHOES & THORO CLEAN
BEFORE REUSE; DISCARD IF OIL-SOAKED. CLEANSE SKIN (ING 12)
RTECS #:9999999ZZ

Ingred Name:ING 11: THORO AFTER CNTCT, BEFORE BREAKS & MEALS & AT END
OF WRK PERIOD. PROD IS READILY REMOVED FROM SKIN BY (ING 13)
RTECS #:9999999ZZ

Ingred Name:ING 12: WATERLESS HAND CLEANERS FOLLOWED BY WASHING
THOROUGHLY W/SOAP & WATER.
RTECS #:9999999ZZ

Ingred Name:EYE PROTECTION: WITH FULL LE

NGTH FACESHIELD .
RTECS #:9999999ZZ
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:LD50: (ORAL) > 5 G/KG (TOTAL BODY WT)
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:HEALTH STUDIES HAVE SHOWN THAT MANY
PETRO HYDROCARBONS & SYNTHETIC LUBRICANTS POSE POTENTIAL HUMAN
HEALTH RISKS WHICH VARY FROM PERSON TO PERSON. AS A PRE
CAUTION,
EXPOS TO LIQS, VAPS, MISTS/FUMES SHOU LD BE MINIMIZED. PRLNG/RPTD
SKIN CONTACT W/PROD TENDS TO REMOVE SKIN OILS POSS LEADING TO
IRRITATION & (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ: DERMATITIS; HOWEVER, BASED ON HUMAN
EXPERIENCE & AVAIL TOXICOLOGICAL DATA, PROD IS JUDGED NEITHER
"CORROSIVE" NOR "IRRITANT" BY OSHA CRITERIA. PROD CONTACTING EYE
MAY CAUSE IRRIT. PROD HAS L OW ORDER OF ORAL & DERMAL TOXICITY.

POSS ASPIRATION HAZ. INDUCED VOMITING MAY CAUSE ASPIRATION OF PROD
INTO LUNGS.

Medical Cond Aggravated by Exposure:UNKNOWN.

===== First Aid Measures =====

First Aid:EYES: FLUSH W/CLEAR WATER FOR AT LEAST 15 MIN UNTIL IRRIT
SUBSIDES. IF IRRIT PERSISTS, CALL MD. SKIN: REMOVE CONTAMD CLTHG &
WASH SKIN THORO W/SOAP & WATER. INHAL: VAP PRESS IS VERY LOW. VAP
INHAL UND ER AMBIENT CNDTNS IS NORM NOT PROB. IF OVERCOME BY VAP
FROM HOT PROD, IMM
ED REMOVE FROM EXPOS & CALL MD. IF BRTHG IS
IRREGULAR/HAS STOPPED, START RESUSCITATION; ADMIN OXYGEN IF AVAIL.
IF (SUPDAT)

===== Fire Fighting Measures =====

Flash Point Method:COC
Flash Point:320F,160C
Lower Limits:1%
Upper Limits:6%
Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON
DIOXIDE.
Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP.
WATER/FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE-EXPOS CNTNRS

COOL. WATER FROTH MAY BE USED TO (SUPDAT)
Unusual Fire/Explosion Hazard:NOT APPLICABLE.

===== Accidental Release Measures =====

Spill Release Procedures:KEEP PROD OUT OF SEWERS & WATERCOURSES BY DIKING/IMPOUNDING. ABSORB W/SAND/INERT MATL. SWEEP/SCOOP UP & REMOVE. PVNT SPREAD OF SPILL. ADVISE AUTH IF PROD HAS ENTERED/MAY ENTER SEWERS, WATERCOURSES/EXT ENSIVE LAND AREAS. ASSURE CONFORMITY W/LOCAL REGS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT HANDLE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS.

Other Precautions:EMPTY CNTNRS RETAIN RESIDUE (LIQ/VAP) & CAN BE DANGEROUS. DO NOT PRESSURIZE, WELD, CUT, BRAZE, SOLDER, DRILL, GRIND/EXPOSE SUCH CNTNRS TO HEAT, FLAME, SPKS/OTHER SOURCES OF IGNIT; THEY MAY EXPLODE & CAUSE INJURY/DEATH. DO NOT (SUPDAT)

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE ONLY NIOSH/MSHA APPRVD EQUIP. NORM NOT NEEDED AT AMBIENT TEMPS. USE SUPPLIED AIR RESP PROT IN CONFINED/ENCLOSED SPACES, IF NEEDED. USE FILTER, DUST, FUME/MIST RESP TYPE UNDER MIST CNDTNS. USE CAN/ CARTRIDGE, GAS/VAP RESP TYPE (ING 8)

Ventilation:ALWAYS MAINTAIN BELOW PERMISSIBLE EXPOS LIMS. USE LOC EXHST TO CAPTURE VAP, MIST/FUMES, IF NEC. PROVIDE GREATER (ING 9)

Protective Gloves:CHEMICAL-RESISTANT GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKER GOGGLES (ING 14)

Other Protective Equipment:USE CHEM-RESISTANT APRON/OTHER IMPERVIOUS CLTHG TO AVOID CONTAM REGULAR CLTHG WHICH COULD RESULT IN PRLNG/RPTD SKIN CNTCT.

Work Hygienic Practices:MINIMIZE BRTHG VAP, MIST/FUMES. AVOID PRLNG/RPTD CNTCT W/SKIN. REMOVE CONTAMD CLTHG; LAUNDER/DRY-CLEAN BEFORE (ING 11)

Supplemental Safety and Health

FIRE FIGHT PROC: FLUSH SPILLS AWAY FROM EXPOS. MINIMIZE BRTHG GASES, VAP, FUMES/DECOMP PRODS. FI

RST AID PROC: OVEREXP TO OIL MIST,
REMOVE FROM FURTHER EXPOS UNTIL EXCESS OIL MIST CNDTN SUBSIDES.
INGEST: DO NOT INDUCE VOMIT. CALL MD IMMED. OTHER PREC: ATTEMPT TO
CLEAN SINCE RESIDUE IS DFCLT TO REMOVE. "EMPTY" (ING 5)

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:WIDE RANGE

Vapor Pres:8

Spec Gravity: