



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTITY

NAME OF PRODUCT:

Lubriplate Low-Temp Part #17201 CK-238A

MANUFACTURER'S NAME AND ADDRESS:

SUNNEN PRODUCTS COMPANY
7910 MANCHESTER
ST. LOUIS, MO 63143

CONTACT:

CHUCK KORN

DATE:

NOVEMBER 28, 1996

EMERGENCY TELEPHONE NUMBER:

314-781-2105

SECTION 2 INGREDIENTS/IDENTITY (PER 29 CFR 1910.1200(g))

CHEMICAL NAME OF COMPONENTS	CAS NO.	OSHA TWA Z1-A mg/cu m	ACGIH TWA	CARCINOGENIC
Mineral Oil, Petroleum distillate Solvent refined, Light Naphthenic	64741-97-5	5(mist)	5(mist)	N
Soap (Calcium Soap) Additives	3159-62-4 Unknown	NONE NONE	NONE NONE	N N

FOR FURTHER SAFETY AND HEALTH INFORMATION REGARDING THE COMPOSITION OF THIS MATERIAL CONTACT SUNNEN PRODUCTS.

These mixture ingredients are cited on the following lists:

NAME	CAS	CITATIONS
Mineral Oil	64741-97-5	2,4,5,6,7,10,12,13,16,17

1=IARC 2=OSHA 3=NTP 4=ACGIH 5=NFA49 6=NFA325M 7=DOT HMT 49CFR172.101 8=EPA 9=RTECS 10=MA RTK 11=AK RTK 12=CA RTK 13=FL RTK 14=IL RTK 15=ME RTK 16=MN RTK 17=NH RTK 18=NJ RTK 19=Cincinnati, OH RTK 20=Norwood, OH RTK 21=PA RTK 22=RI RTK 23=WV RTK

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (WATER=1)91
REACTIVITY IN WATERNot reactive
MELTING POINTUnknown
EVAPORATION RATENil
PERCENT VOLATILE BY WEIGHTNil
VAPOR DENSITY (Air=1)>5
VAPOR PRESSURE (mm Hg)<.01mm
APPEARANCE AND ODORGrease with mineral oil odor

SOLUBILITY IN WATER.....Negligible.

SECTION 4 SPECIAL PRECAUTIONS

NONE Refer to Section 7.

SECTION 5 CORROSIVELY AND REACTIVITY DATA

STABILITY: Material is stable under normal conditions of transport and storage. POLYMERIZATION: Hazardous polymerization will not occur. INCOMPATIBILITY (MATERIALS TO AVOID): Strong Oxidizing Agents like liquid chlorine or concentrated oxygen. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide from incomplete combustion.

SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE. ABBREVIATIONS USED IN THE FOLLOWING SECTION: NAIF=NO APPLICABLE INFORMATION FOUND, SKIN=SKIN ABSORPTION, EYE=EYE CONTACT, INHAL=INHALATION, INGEST=INGESTION. THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN ARE FROM OTHER THAN DIRECT TEST DATA.

MINERAL OIL: ACUTE: SKIN: Prolonged or repeated skin contact may cause irritation or oil acne: inflammation and blackheads due to mechanical blockage of the pores. Predisposing factors: Usually individuals with sensitive skin or large amounts of body hair. Material is potentially a skin sensitizer. Individuals can experience skin irritation after prolonged exposure. Material is not sterile and can infect open cuts or sores. EYE: May cause eye irritation. INHAL: Symptoms of overexposure include coughing, sore throat, headache, chest pain and difficult breathing. Predisposing factors: Individuals with pre-existing respiratory impairments (such as emphyzema) can display increased sensitivity to oil mist or vapors. INGEST: The manufacturer reports this material has a low order of oral toxicity. CHRONIC: SKIN: NAIF. EYE: NAIF. INHAL: NAIF. INGEST: NAIF.

EMERGENCY FIRST AID

INHALATION: Remove to fresh air. If not breathing, begin mouth to mouth resuscitation. Seek medical attention. EYE CONTACT: Remove contact lenses (if wearing) and flush eyes with water for 15 minutes. Seek medical attention to check for possible irritation. SKIN CONTACT: Wipe away excess material. Wash hands with mild non-abrasive soap and water. INGESTION: Seek medical attention.

SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Keep container closed when not in use. Do not handle or store near heat, sparks, flame or strong oxidants. NORMAL USE: Practice good personal hygiene by washing hands several times each day. Launder contaminated clothing before reuse. Avoid wearing clothing soaked with grease. Avoid prolonged inhalation of mist or vapors. Do not transfer to unlabeled containers. Do not reuse containers for other materials or purposes. Do not cut, braze, weld, solder, or pressurize container as doing so may cause container to EXPLODE, potentially causing serious injury or DEATH. FOR INDUSTRIAL USE ONLY. Not suitable for use in or around household or dwelling. All precautions detailed on the container label apply to partially full or empty containers. Do not attempt to clean as residue is difficult to remove. STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Scrape up excess grease. Apply fire retardant absorbent. Keep petroleum products out of sewers. WASTE DISPOSAL METHODS: Dispose of in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Required if mist > 5 mg/cu m or if operator experiences any eye or respiratory discomfort. VENTILATION: Normal. SKIN PROTECTION: Oil resistant gloves if desired or if sensitivity to material has been demonstrated. EYE PROTECTION: Always wear NIOSH approved safety glasses when honing or operating machinery. OTHER EQUIPMENT: Oil resistant apron if desired. MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL: Same as for petroleum lubricating oil. Remove traces of material if soldering, welding, brazing, cutting or other process involving ignition sources to prevent a fire hazard.

SECTION 9 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 330 F (166 C) C.O.C. FLAMMABLE LIMITS: LEL: 1% UEL: 7%. EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog. SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied rescue equipment for enclosed areas. UNUSUAL FIRE AND EXPLOSION HAZARDS: Sealed containers may explode if exposed to extreme heat.

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