

CANADIAN MATERIAL SAFETY DATA SHEET

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CETTE FICHE SIGNALETIQUE EST AUSSI DISPONIBLE EN FRANCAIS

1. HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY	CONCENTRATION Wt%	CAS NUMBER	LD50
petroleum distillate	95	UNKNOWN	5-15 gm/kg

NFPA DESIGNATION 704

-HEALTH	0
-FIRE	1
-REACTIVITY	0
-SPECIFIC HAZARD NONE-	

2. PREPARATION INFORMATION

NAME AND PHONE NUMBER OF PERSON/GROUP RESPONSIBLE FOR PREPARATION OF MSDS.

Preparation- Chuck Korn

Approval- Terry Heller

Call- (314)-781-2105

DATE OF PREPARATION OF MSDS.

September 1, 1988

3. PRODUCT INFORMATION

MANUFACTURES NAME, ADDRESS & PHONE.

SUNNEN PRODUCTS COMPANY

7910 Manchester Ave.

St. Louis, Mo. 63143

United States of America

314-781-2105

PRODUCT IDENTIFIER.

SUNNEN CK-448A GEAR OIL

PRODUCT USE.

Lubricant

4. PHYSICAL DATA

PHYSICAL STATE: Liquid

ODOR AND APPEARANCE: Dark green liquid.

ODOR THRESHOLD: Unknown

SPECIFIC GRAVITY: (WATER=1) .904

VAPOR PRESSURE: <.1mm Hg @ 68 F (20 C)

VAPOR DENSITY: Heavier than air.

EVAPORATION RATE: Negligible

BOILING POINT: >600 F (316 C)

FREEZING POINT: 23 F (-5 C)

pH: not applicable

COEFFICIENT OF WATER/OIL DISTRIBUTION: Practically insoluble in water. Material is completely soluble in common hydrocarbon or chlorinated hydrocarbon solvents such as mineral spirits or trichloroethane.

5. FIRE OR EXPLOSION HAZARD

CONDITIONS OF FLAMMABILITY: Will burn if heated in the presence of oxygen.

MEANS OF EXTINGUISHION: Carbon dioxide, foam, dry chemical and water fog.

FLASH POINT & METHOD: 565 F (296 C) ASTM D-92

UEL Upper explosive limit: 0.6

LEL Lower explosive limit: 7.0

AUTO IGNITION TEMPERATURE: Unknown

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide.

EXPLOSION DATA- Material is stable in the presence of physical impacts.

Static discharge of sufficient strength may ignite material.

SPECIAL FIRE FIGHTING PROCEDURES: For fires in enclosed areas, firefighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Sealed containers may explode if exposed to extreme heat.

6. REACTIVITY DATA

CONDITIONS WHERE PRODUCT IS NOT STABLE: Presence of oxygen and heat/sparks/flame or other ignition source creates a fire hazard.
Mis-use that generates oil mist increases the fire hazard as the mist will easily ignite.
LIST INCOMPATIBLE SUBSTANCES: Strong oxidation agents such as fuming nitric acid can produce a violent reaction.
CONDITIONS OF REACTIVITY: Elevated temperatures and the presence of ignition or oxidation conditions.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide as product of combustion.

7. TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Primary route of entry is skin contact. Liquid material may be ingested, splashed into eyes, or inhaled if mist is created by miss-use.

ACUTE: Contact with material may cause eye or skin irritation of sensitive individuals.
ORAL TOXICITY (RATS): LD50>15 gm/kg nontoxic (estimated).--based on testing of similar products and/or the components.
DERMAL TOXICITY (RABBITS): LD50>5 gm/kg nontoxic (estimated).--based on testing of similar products and/or the components.
INHALATION TOXICITY (RATS): No applicable information found.
EYE IRRITATION (RABBITS): Expected to be non-irritating.--Based on testing of similar products and/or the components.
SKIN IRRITATION (RABBITS): Expected to be non-irritating.--Based on testing of similar products and/or the components.

CHRONIC: Prolonged or repeated skin contact may cause dermatitis (skin irritation).

EXPOSURE LIMITS: ACGIH LIMITS FOR MINERAL OIL MIST 5 gm/cu m
IRRITANCY: Refer to Acute effects of exposure.
SENSITIZATION TO PRODUCT: NO
CARCINOGENICITY: IARC-NO
REPRODUCTIVE TOXICITY: NO
TERATOGENICITY: NO
MUTAGENICITY: NO
TOXICOLOGICALLY SYNERGISTIC PRODUCTS: None Known

8. PREVENTIVE MEASURES

RESPIRATORY PROTECTION: If use conditions give rise to excessive mist (greater than 5 mg/cu M) use a NIOSH approved respirator rated for mineral oil mist or forced ventilation to reduce mist exposure to well below TLV levels.
SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed. Do not wear oil soaked clothing.
EYE PROTECTION: Although the material is not an eye irritant one should always wear NIOSH approved eye protection when working around or operating machinery.
OTHER EQUIPMENT: Oil-impervious apron if desired.
VENTILATION-LOCAL: Normal.
MECHANICAL: Required if use conditions give rise to levels greater than 5 mg/cu M.
STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Absorb on fire retardant absorbant. Gather and dispose of in accordance with applicable regulations. Notify authorities if spill could reach any waterway.
WASTE DISPOSAL METHODS: Used product may be regulated. Dispose of in accordance with applicable laws, regulations, rules, orders and ordinances.
NORMAL STORAGE AND HANDLING: Store away from heat or flame. If stored outdoors, store so as to shed water. Product may separate if exposed to temperatures below 50 F. If so, material should be heated to 70 F and mixed prior to transfer of contents. Vent container by removing lid while heating.
NORMAL USE: May cause skin irritation and/or defat the skin on prolonged or repeated contact. Practice good personal hygiene by washing hands several times each day. Launder contaminated clothing before reuse. Avoid wearing clothing soaked with fluid. 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. Containers should be disposed of in an environmentally safe manner and in accordance with applicable governmental regulations.
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.

9. FIRST AID MEASURES

INHALATION: Remove from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, begin mouth to mouth resuscitation. **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:** Wash contact areas with mild non-abrasive soap and water. **INGESTION:** Do not induce vomiting. Call physician or poison control center immediately.

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