



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTITY

NAME OF PRODUCT:

AN-30 Silicon Compound

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.	Wt%	OSHA TWA Z1-A mg/cu m	ACGIH TWA	CARCINOGENIC
PETROLEUM DISTILLATE, SEVERELY HYDROTREATED	64742-53-6	32	5(mist)	5(mist)	N
SILICON	7440-21-3	50	10 Total Dust 5 Respirable	10	N
STEARIC ACID, CALCIUM SALT	1592-23-0	18	5 (Table Z3)	10	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	64741-44-2	2,4,5,6,7,10,12,13,16,17

1=IARC 2=OSHA 3=NTP 4=ACGIH 5=NFPA49 6=NFPA325M 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)UNKNOWN
 PERCENT VOLATILE BY WEIGHT.....<1%
 BOILING POINT>600 F (316 C)
 VAPOR PRESSURE (mm Hg).....<.1mm Hg @ 68 F (20 C)
 VAPOR DENSITY (Air=1).....UNKNOWN
 EVAPORATION RATENEGLIGIBLE
 SOLUBILITY IN WATER.....NEGLIGIBLE
 REACTIVITY IN WATER.....NOT REACTIVE
 APPEARANCE AND ODOR.....BLACK PASTE

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 oxidation agents such as fuming nitric acid. CONDITIONS TO BE AVOIDED: oxidizing conditions. HAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide, carbon dioxide and calcium oxide as products of combustion.

SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE. PRIMARY ROUTE(S) OF ENTRY ARE: INGESTION, INHALATION AND SKIN ABSORPTION. 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.

CALCIUM STEARATE: ACUTE: SKIN: NAIF. EYE: May cause mechanical irritation. INHAL: Excessive inhalation of dust may cause coughing and difficult breathing and inflammation of the lungs. INGESTION: NAIF. CHRONIC: SKIN: NAIF. EYE: NAIF. INHAL: Grossly excessive and chronic inhalation of the dust may cause a progressive lung disease. INGEST: NAIF.

MINERAL OIL: ACUTE: SKIN: May cause irritation. Predisposing factors: Individuals with sensitive skin or large amounts of body hair. Material is not sterile and may infect open cuts or sores. EYE: May cause irritation. INHAL: 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: Loose bowel movements. Minute amounts of mineral oil aspirated into the lungs during ingestion may cause mild to severe lung injury. CHRONIC: SKIN: Prolonged or repeated skin contact can cause skin irritation or oil acne: redness and blackheads due to mechanical blockage of the pores. Material is potentially a skin sensitizer. Individuals can experience skin irritation after prolonged exposure. EYE: NAIF. INHAL: NAIF. INGEST: NAIF.

SILICON: ACUTE: SKIN: Physical damage to the skin caused by dust or by cleaning procedures used to remove it. EYE: Dust may irritate eyes. INHAL: Dust may cause physical damage to the mucous membranes or nasal passages. INGEST: NAIF. CHRONIC: SKIN: NAIF. EYE: NAIF. INHAL: May produce x-ray changes in the lungs without disability. INGEST: NAIF.

EMERGENCY FIRST AID

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: Get medical assistance.

SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Store away from heat or flame. If stored outdoors, store so as to shed water. 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. FOR INDUSTRIAL USE ONLY. Not suitable for use in or around household or dwelling. Do not reuse containers for other materials or purposes. 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. STEPS

TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Absorb on fire retardant absorbant. Gather and dispose of in accordance with applicable regulations. WASTE DISPOSAL METHODS: AN-30 Silicon Compound and the used Felt

Set contain mineral oil, a hazardous waste. Dispose of the used Felt Set and Silicon compound in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

SECTION 8 PERSONAL PROTECTION INFORMATION

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 below TLV levels. VENTILATION-LOCAL- Normal. MECHANICAL: Required if use conditions give rise to levels greater than 5 mg/cu M. OTHER: No applicable information found. SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed. Do not wear oil soaked clothing. EYE PROTECTION: Use chemical safety goggles. Contact lenses should not be worn when working with this material. OTHER EQUIPMENT: Oil-impervious 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- 400 F (204 C) ASTM D-92 FLAMMABLE LIMITS- LEL: 0.6 UEL: 7.0 EXTINGUISHING MEDIA- Carbon dioxide, foam, dry chemical and water fog. 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.

NOTICE

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