



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTITY

**Not D.O.T. Hazardous
per 49CFR172**

**NAME OF PRODUCT:
SCC-100 OR SCC-101 COOLANT CONCENTRATE**

MANUFACTURER'S NAME AND ADDRESS:
SUNNEN PRODUCTS COMPANY
7910 MANCHESTER
ST. LOUIS, MO 63143

CONTACT:
CHUCK KORN

EMERGENCY TELEPHONE NUMBER:
314-781-2105

DATE:
FEBRUARY 21, 2003

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

CHEMICAL NAME OF COMPONENTS	CAS NO.	Wt. %	OSHA Z1A 8 HR TWA	OSHA Z1A STEL	OSHA Z1A SKIN	CARCINOGENIC
PETROLEUM DISTILLATE	64742-52-5	<10	5(mist)	NONE	NONE	N

Product concentrate is a hazardous substance as defined under the OSHA Hazard Communication Standard and may be reportable under the provisions of SARA Sections 311 and 312. No components are present in this product at a level which could require reporting under (CERCLA) 40 CFR 302.4.

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

- SPECIFIC GRAVITY (WATER=1)994
- PERCENT VOLATILE BY WEIGHTNo applicable information found.
- BOILING POINT212 F (100 C)
- pH (concentrate)..... 9.9
- EVAPORATION RATELike water
- VAPOR PRESSURE (mm Hg)No applicable information found.
- SOLUBILITY IN WATER100%
- REACTIVITY IN WATER.....Not reactive
- APPEARANCE AND ODORClear; burgundy

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): AVOID CONTACT OF CONCENTRATE WITH STRONG ACIDS. CONTAINS AMINES. DO NOT ADD SODIUM NITRITE OR OTHER NITROSATING AGENTS TO THIS MATERIAL. SUSPECTED CANCER-CAUSING NITROSAMINES COULD BE FORMED. HAZARDOUS DECOMPOSITION PRODUCTS: NO APPLICABLE INFORMATION FOUND.

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.

ACUTE: ORAL TOXICITY (LD50 RATS)- Above 5 g/kg (Undiluted) Non-toxic. Concentrate is Alkaline. Harmful if swallowed. INHALATION TOXICITY (LC50 RATS)- Above 20 mg/l for a 10% mix. Symptoms of overexposure to oil mist include coughing, sore throat, headache, chest pain and difficult breathing. Predisposing factors: Individuals with pre-existing respiratory impairments (such as emphysema) can display increased sensitivity to oil mists or vapors. EYE IRRITATION - Product is a primary eye irritant. Will cause stinging sensation in the eye. SKIN IRRITATION - Product may be a primary skin irritant. DERMAL TOXICITY (LD50 RABBITS)- Above 2 g/kg (Undiluted). BACTERIAL MUTAGENIC (AMES) TEST- Non-mutagenic. **CHRONIC:** No applicable information found.

EMERGENCY FIRST AID

INHALATION: Not expected to be a probable route of exposure to product concentrate. Inhalation of diluted mix can occur in applications where high mist levels are generated. 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. Diluted product is not irritating to the skin when used as recommended and good personal hygiene is practiced. INGESTION: Do not induce vomiting. Dilute with water or milk. Immediately contact physician and obtain treatment. Swallowing small quantities of diluted product is not expected to cause injury or illness; but, as should be expected when drinking oily, soapy water, nausea, diarrhea or abdominal distress may be experienced.

SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Store away from heat or flame as the material will expand if overheated and possibly rupture the container spilling the contents. The spilled material will create a slip hazard and will burn if heated to drive off water and ignited. If stored outdoors, store so as to shed water to prevent pollution by water and dirt. Plastic containers are brittle if frozen and may split and leak if handled roughly. Do not transfer to unlabeled containers. Since emptied containers retain material residue, follow label warnings even after container is emptied and do not reuse container for other purposes. All precautions detailed on the container label apply to partially full or empty containers. Avoid all contact of concentrate with eyes or skin. Use personal protection equipment and precautions as specified in Section 8. NORMAL USE: Practice good personal hygiene while grinding. Wash hands thoroughly to remove coolant and microscopic particles of metal debris (suspended in the coolant) before touching other parts of the body, food, drinks or smoking to avoid contact with or ingestion of metal fines. Material is for use in Grinding Machines only. Avoid prolonged inhalation of mist or vapors. FOR INDUSTRIAL USE ONLY. Not suitable for use in or around household or dwelling. STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Contain and absorb on sawdust, diatomaceous earth or other suitable absorbent and place in waste container or thoroughly flush with water to sewer. Spilled material is greasy and produces a slip/fall hazard. WASTE DISPOSAL METHOD: FOR USED MIX: 1) Ultra-filtration for sewer disposal, or 2) recycle equipment for reuse, or 3) treat with polymer or inorganic demulsifiers, then dispose of top layer by incineration or landfill, and dispose of water layer in sanitary sewer. FOR UNUSED CONCENTRATE: Incinerate. The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR 261D), is not ignitable, not corrosive, not

reactive and is not formulated with the metals cited in the EP Toxicity Test. Used material may be regulated. Containers should be disposed of in an environmentally safe manner and in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If unusual conditions generate any strong odor or detectable coolant mist use NIOSH approved respirator rated for mineral oil mist or increase ventilation to reduce mist levels. **VENTILATION:** Normal ventilation is required. Do not operate grinding machine within a closed un-ventilated space. If strong odors or mist is detected, use forced ventilation to maintain levels of fumes or mists at comfortable levels. **SKIN PROTECTION:** Not normally required for coolant mix. Waterproof gloves and protective clothing are required when handling concentrate. Launder contaminated clothing before reuse. Avoid wearing clothing soaked with fluid. Note that coolant flowing over the work-piece will contain small chips from the work-piece and abrasive debris. These materials may be irritating to the skin and eyes. Some materials that are not normally irritating to the skin may be converted to a form that is irritating when trapped in skin pores and acted upon by sweat. Waterproof gloves should be worn in the event any symptoms of skin distress appear. Note that some barrier creams have been shown to increase skin absorption of metallic compounds and also that many people are allergic to chemicals used in protective gloves. **EYE PROTECTION:** Safety shield or goggles are required when handling concentrate. Always wear NIOSH approved safety glasses when operating machinery. **OTHER EQUIPMENT:** Waterproof 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: None. Self-extinguishing. **FLAMMABLE LIMITS---** LEL: UNKNOWN UEL: UNKNOWN **EXTINGUISHING MEDIA:** Dry powder or Carbon Dioxide. **SPECIAL FIRE FIGHTING PROCEDURES:** None **UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

NOTICE

THIS MATERIAL SAFETY DATA SHEET ("MSDS") IS SUPPLIED PURSUANT TO THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S HAZARD COMMUNICATION RULE (THE "RULE"), 29 CFR 1910.1200. THIS MSDS IS BEING FURNISHED TO THE IMMEDIATE PURCHASER OF THE MATERIAL TO WHICH IT REFERS WITHOUT REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS OR ACCURACY OF ANY INFORMATION OR RECOMMENDATIONS CONTAINED HEREIN.

THIS MSDS IS OFFERED SOLELY TO COMPLY WITH THE RULE AND IS NOT INTENDED TO CREATE ANY LIABILITY OF ANY KIND ON THE PART OF SUNNEN PRODUCTS COMPANY ("SUNNEN"). IN NO EVENT WILL SUNNEN BE RESPONSIBLE FOR ANY DEATH, INJURY OR DAMAGE OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF, RELIANCE UPON, OR MISUSE OF THE MSDS. NO REPRESENTATIONS OR WARRANTIES, WHETHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER NATURE, ARE MADE HEREUNDER. THIS MSDS IS NOT INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR EXTEND LICENSES UNDER VALID PATENTS.

THIS MSDS IS FURNISHED UPON THE EXPRESS CONDITION THAT ALL PERSONS RECEIVING IT WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR PURPOSES PRIOR TO USE. RESPONSIBILITY FOR COMPLIANCE WITH APPLICABLE FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING DISSEMINATION OF THE MSDS AND SALE AND USE OF THE MATERIAL TO WHICH IT REFERS RESTS SOLELY UPON THE PURCHASER.

**ATTACH THIS LABEL
TO MACHINE.**



ATTENTION

**CONTAINS SUNNEN SCC-100 COOLANT. EYE
IRRITANT DO NOT TAKE INTERNALLY.
PRACTICE GOOD PERSONAL HYGIENE.
WASH HANDS OFTEN. READ MSDS #13
BEFORE USING THIS MATERIAL.**

MSDS 13