



## MATERIAL SAFETY DATA SHEET

### SECTION 1 IDENTITY

**NAME OF PRODUCT:**

**SCC-505 / SCC-555 WATER BASE COOLANT CONCENTRATE**

**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 Z1A 8 HR TWA	OSHA Z1A STEL	OSHA Z1A SKIN	ACGIH TWA mg./cu.m.	CARCINOGENIC
Severely Hydrotreated Heavy Naphthenic Distillate	64742-52-5	10-30	5(mist)	none	none	5(mist)	No
Monoethanolamine	141-43-5	1-5	8	15	none	8	No
Diethanolamine	111-42-2	10-30	15	none	none	15	No

THE EXACT COMPOSITION OF THIS MATERIAL IS BEING WITHHELD AS A TRADE SECRET OF SUNNEN PRODUCTS COMPANY. FOR FURTHER SAFETY AND HEALTH INFORMATION REGARDING THE COMPOSITION OF THIS MATERIAL CONTACT SUNNEN PRODUCTS. This mixture contains toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372

These mixture ingredients are cited on the following lists:

Name	CAS	Citations
MINERAL OIL	64742-52-5	2,4,5,6,9,10,11,12,13,14,16,17,23
DIETHANOLAMINE	111-42-2	2,4,5,6,8,9,10,11,12,13,14,15,16,17,18,22,23
MONOETHANOLAMINE	141-43-5	2,4,6,7,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
DIETHYLENE GLYCOL	111-46-6	5,9,17,22
SODIUM SULFONATE	68608-26-4	15

1=IARC 2=OSHA 3=NTP 4=ACGIH 5=NFPA49 6=NFPA325M 7=DOT HMT 49CFR172.101 8=EPA SARA III 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	1.07	VAPOR PRESSURE (mm Hg)	Water vapor
PERCENT VOLATILE BY WEIGHT	20%	SOLUBILITY IN WATER	100%
BOILING POINT	212°F (100°C)	REACTIVITY IN WATER	No hazardous reactions.
VAPOR DENSITY (Air=1)	Water vapor	APPEARANCE AND ODOR	Concentrate-Dark Amber
EVAPORATION RATE	Like water	pH	5% Dilution 9.0-9.4

### SECTION 4 SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Protective equipment required. Refer to Section 8.

## SECTION 5 CORROSIVITY AND REACTIVITY DATA

STABILITY: MATERIAL IS STABLE UNDER NORMAL CONDITIONS OF TRANSPORT AND STORAGE.  
POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR. INCOMPATIBILITIES (MATERIALS TO AVOID): AVOID CONTACT OF CONCENTRATE WITH STRONG ACIDS. Not suitable for use on Magnesium (may self ignite). Contains Amines. Do not add nitrosating agents as cancer causing nitrosamines could be formed.  
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Sulfur, Nitrogen and Carbon from thermal decomposition.

## SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

PRIMARY ROUTE(S) OF ENTRY ARE: INGESTION, INHALATION AND SKIN ABSORPTION. ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE- The information presented and the conclusions drawn are from other than direct test data. This hazard evaluation is based on information from similar products, ingredients and professional experience.

ACUTE: EYE: Eye irritation and possible tissue damage from concentrate based on presence of Amines. Symptoms include severe pain, itching, burning and redness of the eye. Minor irritation of eye characterized by itching, blinking and redness of the eye from contact with diluted material according to length of exposure. SKIN: Concentrate may cause skin irritation and/or delayed skin burns according to length of exposure. Continuous contact with properly diluted material may cause skin irritation and redness similar to "dish pan hands" from the detergent action of the coolant. People with fair skin, red hair or freckles may experience increased skin sensitivity when exposed to metalworking fluids. INHALATION: Inhalation of concentrate mist expected to cause corrosive damage to tissue in the nose, mouth, breathing passages and lungs. Inhalation of normally diluted material may cause minor irritation, coughing, sore throat or chest pains. Symptoms of overexposure to mist 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 coolant mists or vapors. INGESTION: Not expected to be toxic under normal conditions of use. CHRONIC: No other applicable information found.

### 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: Give two (2) glasses of water and induce vomiting. Immediately contact physician and obtain treatment.

## SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Store under ordinary conditions. If stored outdoors, store so as to shed water. Protect from freezing. NORMAL USE: Use only as recommended. Avoid all contact of concentrate with eyes or prolonged contact with skin. Avoid wearing clothing soaked with fluid. Do not swallow material. Practice good personal hygiene by washing hands several times each day. Avoid prolonged inhalation of mist or vapors. Do not transfer to unlabeled containers. Do not reuse containers for other materials or purposes. FOR INDUSTRIAL USE ONLY. Keep out of reach of children. Not suitable for use in or around household or dwelling. All precautions detailed on the container label apply to partially full or empty container. Do not pressurize container as doing so may cause container to burst, potentially causing serious injury or death. 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: Concentrate: Soak up liquid with absorbent and incinerate. MIX: Flush with water to sewer. WASTE DISPOSAL METHODS: FOR USED MIX: 1) Ultra-filtration for sewer disposal or acid split. Dispose of bottom water layer (after correcting pH) by sanitary sewer and top polymer and oil layer by incineration. FOR UNUSED CONCENTRATE: Incinerate, or contact vendor. Dispose of in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

## **SECTION 8 PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: Not normally required. Avoid inhalation of mist. SKIN PROTECTION: Waterproof (Nitrile) gloves required when handling concentrate. Skin protection not normally required when working with mixed coolant. EYE PROTECTION: Safety shield or goggles required when handling concentrate. Always wear safety glasses while operating machinery. VENTILATION-LOCAL: Normal MECHANICAL: Not required. OTHER: No applicable information found. OTHER EQUIPMENT: Effective metal-working plant protective clothing as appropriate.

## **SECTION 9 FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: Mix- Self-extinguishing / Concentrate- Waterbased product. Does not respond to test. Will burn if sufficiently preheated to drive off water. EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog. UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic fumes. Oxides of nitrogen, sulfur and carbon. FLAMMABLE LIMITS-LEL: UNKNOWN UEL: UNKNOWN SPECIAL FIRE FIGHTING PROCEDURES: Treat as oil fire. Recommend fire fighters wear self-contained breathing apparatus with full facepiece operated in a pressure-demand or other positive pressure mode and full body protective clothing.

### **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.

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**ATTACH LABEL TO MACHINE**



**ATTENTION**

CONTAINS **SUNNEN SCC-505 COOLANT**. MAY CAUSE EYE IRRITATION. WASH HANDS OFTEN. DO NOT TAKE INTERNALLY. READ MSDS BEFORE USING THIS PRODUCT.

MSDS 43-2