



Not D.O.T. Hazardous per 49CFR172

MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTITY

NAME OF PRODUCT:

SCC-205, SCC-255 OR SCC-2330 COOLANT CONCENTRATE

MANUFACTURER'S NAME AND ADDRESS:

SUNNEN PRODUCTS COMPANY
7910 MANCHESTER
ST. LOUIS, MO 63143

CONTACT:

CHUCK KORN

DATE:

February 21, 2003

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 CEILING mg./cu. m.	OSHA Z1A SKIN	ACGIH TWA	CARCINOGENIC
ALKENES, C>10, ALPHA	64743-02-8	10-30	5	none	none	none	5	NO
MONOETHANOLAMINE	141-43-5	1-5	8	15	none	none	8	NO

These mixture ingredients are cited on the following lists:

Name	CAS	Citations
MONOETHANOLAMINE	141-43-5	2, 4, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23

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 24=MI 293

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (WATER=1) Concentrate .99
BOILING POINT 212 F (100 C)
EVAPORATION RATE Like water
SOLUBILITY IN WATER 100%

APPEARANCE AND ODOR Amber liquid
VAPOR DENSITY (Air=1) Un-tested
REACTIVITY IN WATER No hazardous reactions.
pH Mix 1:5 water 8.8

SECTION 4 SPECIAL PRECAUTIONS HANDLING AND STORAGE:

Protective equipment required. Refer to Section 8.

SECTION 5 CORROSION 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. **Contains amines. Do not add sodium nitrate or other nitrosating agents to this material. Suspected cancer-causing nitrosamines could be formed.** HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon and Nitrogen.

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: Irritation of eye characterized by itching, blinking and redness of the eye from contact with material according to length of exposure, based on presence of amine. SKIN: 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. INHALATION: Inhalation of normally diluted material may affect the nose and respiratory tract causing 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 emphysema) can display increased sensitivity to coolant mists or vapors. INGESTION: Not likely under normal conditions of use. **CHRONIC:** No 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: Do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. 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. 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. 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 cut, braze, weld, solder, or 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: Contain spill. Absorb small amounts. Collect and return large amounts to shipping container. Rinse spill area with water. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations. 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: 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- UN-TESTED. EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog. UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic fumes. Light amines

and oxides of nitrogen 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 face-piece operated in a pressure-demand or other positive pressure mode and full body protective clothing.

NOTICE

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ATTACH LABEL TO MACHINE



ATTENTION

Contains Sunnen **SCC-205** coolant. Do not take internally. Practice good personal hygiene. Wash hands often. Read MSDS #31 before using this material. Avoid eye contact.

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