



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTITY

NAME OF PRODUCT:

TS-128 DIAMOND SPRAY

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 CEILING mg./cu. m.	OSHA Z1A SKIN	ACGIH CARCINOGENIC TWA
Ethyl Alcohol NO	64-17-5	<85	1900	none	none	none	1880

Ethyl Alcohol is listed as a SARA III hazardous chemical. For further safety and health information regarding the composition of this material contact Sunnen Products.

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (WATER=1)	0.79	PERCENT VOLATILE BY WEIGHT	>85%
BOILING POINT	170 F (77 C)	VAPOR DENSITY (Air=1)	1.6
EVAPORATION RATE	Unknown	REACTIVITY IN WATER.....	Unknown
SOLUBILITY IN WATER.....	Unknown	pH	Unknown
APPEARANCE AND ODOR.....	Clear liquid		

SECTION 4 SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Flammable liquid. 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 oxidizing agents. HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon.

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: Severe irritation of eye characterized by itching, blurry vision, blinking and redness of the eye from contact with material according to length of exposure, based on presence of alcohol. SKIN: May cause skin irritation, defatting and dermatitis. INHALATION: Inhalation affects the nose and respiratory tract causing irritation, coughing, sore throat or chest pains, dizziness, weakness, fatigue, nausea, headaches, possible unconsciousness and asphyxiation. 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 mists or vapors. INGESTION: Toxic effects based on presence of denatured alcohol. Strange symptoms may result from the denaturants often present in industrial alcohol. May act as an adjuvant, increasing the toxicity of other chemical agents. **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. Immediately contact physician and obtain treatment.

SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Store under ordinary conditions away from heat, fire, flame or other source of ignition. 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 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: Soak up liquid with absorbent or paper towels and incinerate. WASTE DISPOSAL METHODS: Incinerate in EPA approved facility, 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 fumes. SKIN PROTECTION: Not normally required. EYE PROTECTION: 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 57 F (14 C) EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog. UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic fumes. Oxides of carbon. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors or static discharge. FLAMMABLE LIMITS--- LEL: 3.3% UEL: 19% SPECIAL FIRE FIGHTING PROCEDURES: No applicable information found.

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