

MATERIAL SAFETY DATA SHEET

MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-535-5053

PRODUCT : FREEZE KLEEN > 4-1 GAL*

1414AD

Sanolite Corporation

26 Papetti Plaza Elizabeth NJ 07207-0818 (800) 221-0806

1.0 IDENTIFICATION

1.1	PRODUCT NAME:	FREEZE KLEEN > 4-1 GAL*
1.2	PRODUCT TYPE:	INDUSTRIAL CLEANER
1.3	HAZARD RATING:	HEALTH: 1 FIRE: 2 REACTIVITY: 0

2.0 HAZARDOUS COMPONENTS

2.1	:	2-PROPANOL C.A.S. NO. 67-63-0 TLV - TWA 400 PPM ACGIH VPEL - TWA 400 PPM OSHA
2.1	:	2-ETHOXYETHANOL C.A.S. NO. 110-80-5 PEL - TWA8(SKIN) 5 PPM ACGIH PEL - TWA8(SKIN) 200 PPM OSHA

This product contains no other component considered hazardous according to the criteria of 29 CFR 1910.1200.

3.0 PHYSICAL DATA

3.1	APPEARANCE AND ODOR:	CLEAR, PINK LIQUID; ALCOHOL ODOR.
3.2	SOLUBILITY IN WATER:	COMPLETE
3.3	PH::	7.0
3.4	BOILING POINT::	194 DEGR.F

4.0 FIRE & EXPLOSION DATA

4.1	FIREFIGHTING METHODS:	USE FULL PROTECTIVE CLOTHING AND SELF- CONTAINED BREATHING APPARATUS.
4.3	FLASH POINT:	75 DEGR.F (TCC)
4.5	EXTINGUISHING MEDIA:	USE WATER FOG, "ALCOHOL" FOAM, DRY CHEMICAL OR CO2.

5.0 REACTIVITY DATA

5.1	STABILITY:	STABLE
5.2	CONDITIONS TO AVOID:	AVOID SPARKS,HEAT AND FLAME
5.3	INCOMPATIBILITY:	ALKALINE SUBSTANCES, STRONG OXIDIZING AGENTS.
5.4	HAZ.DECOMP.PROD:	CARBON MONOXIDE/CARBON DIOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS.
5.5	HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR

6.0 SPILL OR LEAK PROCEDURES/ USE PROPER PROTECTIVE EQUIPMENT

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6.0 SPILL OR LEAK PROCEDURES/ USE PROPER PROTECTIVE EQUIPMENT

- 6.1 CLEANUP: ABSORB WITH AN ABSORBENT MATERIAL AND PUT IN A CONTAINER FOR PROPER DISPOSAL.
- 6.2 WASTE DISPOSAL: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
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7.0 HEALTH HAZARD DATA

- 7.1 OVEREXPOSURE: HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. CAUSES EYE IRRITATION.
- 7.1 A EYES: LIQUID OR VAPOR CAUSES IRRITATION, EXPERIENCED AS STINGING, EXCESS BLINKING AND TEAR PRODUCTION, WITH EXCESS REDNESS AND SWELLING OF THE CONJUCTIVA.
- 7.1 B SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE DISCOMFORT AND LOCAL REDNESS. PROLONGED OR WIDESPREAD CONTACT MAY RESULT IN THE ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS OF MATERIAL. EFFECTS MAY INCLUDE THOSE DESCRIBED FOR SWALLOWING.
- 7.1 C IF SWALLOWED: MAY CAUSE HEADACHE, NAUSEA, VOMITING, BREATHING DIFFICULTIES, AND WEAKNESS. POSSIBLE KIDNEY DAMAGE MAY RESULT FROM INGESTION OF LARGE QUANTITIES OF MATERIAL.
- 7.1 D IF INHALED: CAUSES IRRITATION OF RESPIRATORY TRACT, EXPERIENCED AS NASAL DISCOMFORT AND DISCHARGE WITH CHEST PAIN AND COUGHING. HEADACHE, NAUSEA, AND VOMITING MAY OCCUR.
- 7.2 THIS PRODUCT CONTAINS 2-ETHOXYETHANOL WHICH AT HIGH CONCENTRATIONS (400 PPM OR HIGHER) MAY CAUSE INJURY TO BONE MARROW, BLOOD CELLS, KIDNEY, AND TESTES. 2-ETHOXYETHANOL SPECIFICALLY LISTED AS HAZARDOUS SUBSTANCE IN 40 CFR 302.4. 2-ETHOXYETHANOL IS LISTED AS TOXIC CHEMICAL IN 40 CFR 372.65. 2-ETHOXYETHANOL KNOWN TO STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
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8.0 FIRST AID

- 8.1 EYES: FLUSH EYES WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.
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UNK = Unknown at this time PEL = Permissible Exposure Limit
TLV = Threshold Limit Value STEL = Short Term Exposure Limit
C = Ceiling Limit, Not To Be Exceeded

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8.0 FIRST AID

- 8.2 SKIN: WASH OFF WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.
- 8.3 IF SWALLOWED: GIVE TWO GLASSES OF WATER AND INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.
- 8.4 IF INHALED: REMOVE TO FRESH AIR AND GET MEDICAL ATTENTION.

CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY

9.0 SPECIAL PROTECTION INFORMATION

- 9.1 RESPIRATORY:: USE NIOSH APPROVED RESPIRATOR
- 9.2 SKIN:: RUBBER GLOVES - PROTECTIVE CUFF OR GAUNTLET TYPE PREFERRED.
- 9.3 EYE PROTECTION:: SPLASHPROOF GLASSES, GOGGLES OR FACE SHIELD.
- 9.4 OTHER PROTECTION EQUIPMENT:: APRON
- 9.5 VENTILATION:: LOCAL EXHAUST
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10.0

- 10.0 KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP CONTAINER CLOSED. DO NOT STORE OR HANDLE IN ALUMINUM EQUIPMENT AT TEMPERATURES ABOVE 120 F. USE WITH ADEQUATE VENTILATION.
- 10.1 D.O.T. CLASS: COMPOUND, CLEANING LIQUID (CONTAINS ISOPROPANOL), 3, NA1993, II
- 10.3 OTHER PRECAUTIONS: FOR INDUSTRIAL USE ONLY
- 10.4 DATE APPROVED: 04/06/2005

KEEP OUT OF REACH OF CHILDREN

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

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