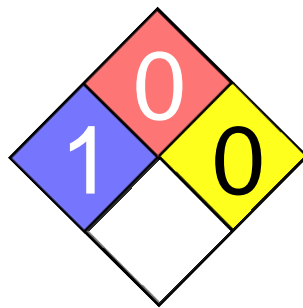




Sutherland Products
203 N 1st Ave. – Mayodan, NC 27027
(800) 854-3541



MATERIAL SAFETY DATA

EMERGENCY NO:
Contact CHEM-TEL INC.
1-800-255-3924

SECTION I: IDENTIFICATION

chemical name & synonyms N/A			
chemical mixture MIXTURE HS Code 340220	formula PROPRIETARY	trade name ALL-PURPOSE CLEANER	Item number(s) CS13
description CLEAR LIQUID WITH FAINT SWEET ODOR, FOAMS EASILY		CAS# N/A	

SECTION II: NORMAL HANDLING PROCEDURES

precautions in storing and handling STORE IN COVERED AREA; KEEP FROM FREEZING		
protective equipment	ventilation	
eye protection gloves other	NONE WITH NORMAL USE NONE WITH NORMAL USE NONE WITH NORMAL USE	NORMAL

SECTION III: HAZARDOUS INGREDIENTS

basic material * 2-butoxyethanol	CAS# 111-76-2	percent <4%	OSHA PEL 25 ppm	significant ingredients
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SECTION IV: FIRE AND EXPLOSION HAZARD DATA

flash point method WILL NOT BURN	DOT hazard classification NON-FLAMMABLE	flammable explosive limits upper N/A lower N/A
extinguishing media NONE REQUIRED	special fire hazard & fire fighting procedure THIS PRODUCT WILL NOT BURN	

SECTION V: HEALTH HAZARD DATA

threshold limit value (TLV) N/A	symptoms of over-exposure
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SECTION VI: EMERGENCY FIRST-AID PROCEDURES

skin IF IRRITATED, WITHDRAW FROM FURTHER CONTACT. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION
eyes FLUSH WITH CLEAN WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION
ingestion DRINK WATER, INDUCE VOMITING, GET MEDICAL ATTENTION
inhalation REMOVE TO FRESH AIR. IF BREATHING IS LABORED, GET MEDICAL ATTENTION

* Note: There is no occupational health risk associated with exposure to Charlie's Soap in its finished form except for its being a mild eye irritant. (see section 7)

SECTION VII: TOXICOLOGY

acute oral LD50	NOT AVAILABLE	carcinogenic	NOT KNOWN TO BE CARCINOGENIC
acute dermal LD50	NOT AVAILABLE	mutagenic	NOT KNOWN TO BE MUTAGENIC
acute inhalation LC50	NOT AVAILABLE	eye irritation	IRRITANT
		primary skin irritation	NOT AN IRRITANT
principle routes of absorption DERMAL, ORAL, AND INHALATION			
effects of acute exposure MILD IRRITATION TO EYES AND MUCOUS MEMBRANES			
effects of chronic exposure NONE EXPECTED AT NORMAL USE LEVELS			

SECTION VIII: SPILL OR LEAKAGE PROCEDURES

steps to be taken in case material is released or spilled SMALL SPILLS MAY BE FLUSHED TO MUNICIPAL SEWAGE DRAIN OR APPROVED WASTE WATER TREATMENT FACILITY. LARGER SPILLS SHOULD BE TRAPPED AND ABSORBED FOR RETURN TO RESERVOIR OR STORAGE TANK AFTER FILTRATION. RESIDUAL MATERIAL MAY BE REUSED OR FLUSHED AS DESCRIBED ABOVE. THIS PRODUCT WILL RENDER FLAT SURFACES EXTREMELY SLIPPERY. BE CAREFUL.
waste disposal method TREAT OR DISPOSE OF ACCORDING TO REGULATIONS UNDER <u>THE RESOURCE CONSERVATION AND RECOVERY ACT</u> AS ADMINISTERED BY U.S. EPA OR APPROPRIATE STATE AGENCIES

SECTION IX: REACTIVITY DATA

corrosive action (metals, plastics, rubber, etc.) OVER TIME, MAY TEND TO DULL ALUMINUM AND MAGNESIUM. DOES NOT AFFECT PLASTICS OR RUBBER SEALS
Stability THIS PRODUCT IS STABLE
conditions to avoid NONE
incompatibility (materials to avoid) STRONG ALKALI METALS
hazardous polymerization WILL NOT OCCUR
hazardous decomposition products NONE

SECTION X: PHYSICAL DATA

boiling point 104°C	vapor pressure NOT AVAILABLE	volatiles
melting point -8°C	solubility in water SOLUBLE	evaporation rate (ETHER = 1) SAME AS WATER
specific gravity 1.02 g/cm	pH (100% solution) 9.5-10.5	
specific vapor density (AIR=1) 1.02	cloud point (100% solution) 41°C	

AUTHORIZED SIGNATURE _____ DATE _____