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MATERIAL SAFETY DATA SHEET
DATE: 11/05/01
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EMERGENCY NUMBER
(931) 645-5882

SECTION 1 : Chemical Product : PINE DETERGENT (ALL PURPOSE CLEANER)

Section 2 : Composition and Information on Ingredients SENSITIVE TO EYES
AND SKIN.

Section 3 : Hazards Identification

1310-58-3 1. POTASSIUM HYDROXIDE
 2.
 3.
 4.
 5.
 6.

Table Z - I - A		in (mg/M ³)	
TWA	STEL	CEILING	Wt %
NA	NA	2	1-3%

Section 4 : First Aid Measures :

Ingestion: GIVE WATER, DONOT INDUCE VOMITING
Eyes: FLUSH WITH WATER FOR 15 MINUTES
Skin: FLUSH WITH SOAP AND WATER. REMOVE CLOTHING IF NECESSARY
Inhalation: REMOVE TO FRESH AIR.
Other: GET MEDICAL ATTENTION IF SYMPTONS PERSIST.

Section 5 : Fire - Fighting Measures:

Flash Point: 7,200 TCC
Flammable Limits: NONE
Autoignition Temperature: NONE
General: NONE
EXTINGUISHING METHODS: CO2, FOAM, DRY CHEMICALS

Section 6 : Accidental Release Measures:

Spill: FLUSH SMALL AMOUNTS DOWN DRAIN. COLLECT AND RETURN LARGE AMOUNTS
TO DRUM.

Water Spill: NA

Section 7: Handling and Storage: KEEP FROM FREEZING

Storage Temperature: ABOVE 32' F
Storage Pressure: NA
General: IF FROZEN, THAW AND MIX TO MAKE USABLE.

Section 8: Exposure Controls/ Personal Protection: WEAR CHEMICAL GOGGLES AND RUBBER GLOVES. OVER EXPOSURE MAY CAUSE DIZZINESS, HEADACHE, OR NAUSEA. AVOID OXIDIZERS.

Section 9: Physical and Chemical Properties

Color	GREEN	Vapor Density	NA (AIR=1)
Freezing Point	32' F	Evaporation Point	(BUTYL ACET.=1)
Boiling Point	235' F	Water Solubility	60%
Specific Gravity	1.04-1.05(WATER=1)	Viscosity	NA
Vapor Pressure	17.5 AT 20' C	PH	NA

Other Information:

Section 10: Stability and Reactivity: STABLE

Section 11: Toxicological Information: AVOID FOOD CONTAMINATION. NO KNOWN CARCINOGENS.

Section 12: Ecological Information: NOT KNOWN

Section 13: Disposal Considerations: EMPTY CONTAINER TRIPLE RINSE WITH WATER.

Section 14: Transport Information: NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION.

Section 15: Regulatory Information: AS PER LOCAL, STATE, AND FEDERAL GUIDELINES.

Section 16: Other Information: WHENEVER TRANSPORTING OR HANDLING CHEMICALS AVOID CONTACT WITH EYES AND SKIN. ALSO NOTE SECTIONS 4, 7, AND 8 FOR SPECIFIC INFORMATION ON HANDLING OF THE CHEMICAL PRODUCT.

*** THE ABOVE INFORMATION IS BASED ON DATA AVAILABLE TO US AT THIS TIME AND IS CONSIDERED TO BE ACCURATE. AS THE INFORMATION MAY BE APPLIED TO CONDITIONS BEYOND OUR CONTROL, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF ITS USE.***

CAS#=Chemical Abstract Service
STEL=Short Term Exposure Limits

#TWA=Time Wt. Average