



## MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION	
TRADE NAME :	PINE GEL
CHEMICAL FAMILY :	DETERGENT
CHEMICAL NAME :	HAZCHEM CODE: 6iii
DETERGENT/DISINFECTANT	
SYNONYMS :	SIN No : 2369
2. COMPOSITION	
HAZARDOUS COMPONENTS :	SULPHONIC, PINE OIL
EEC CLASSIFICATION :	
R PHRASES :	R20 R22 R34 R37 R36/38
S PHRASES :	S (1/2) S26 S36/37/39 S45
	S5 (STORE IN COOL PLACE, WELL VENTILATED AREA AWAY FROM SUNLIGHT)
3. HAZARDOUS IDENTIFICATION	
MAIN HAZARD :	NONE
FLAMMABILITY :	NON-FLAMMABLE
CHEMICAL HAZARD :	NONE
BIOLOGICAL HAZARD :	NONE
REPRODUCTIVE HAZARD :	NONE
EYE EFFECTS :	SEVERE IRRITATION, BURNING, TEARING. SERIOUS EYE AND TISSUE DAMAGE
HEALTH EFFECTS :	CAUSES SKIN IRRITATION. PROLONGED AND FREQUENT CONTACT MAY CAUSE REDNESS AND IRRITATION
INGESTION EFFECTS :	MAY CAUSE DISCOMFORT IF SWALLOWED
INHALATION EFFECTS :	MAY CAUSE IRRITANT TO NOSE, THROAT AND RESPIRATORY TRACT
CARCINOGENICITY :	NONE
MUTAGENICITY :	NONE
NEUROTOXICITY :	NONE
4. FIRST AID MEASURES	
PRODUCT IN EYES :	FLUSH WITH WATER FOR 15 MINUTES REMOVE CONTACT LENSES , GET MEDICAL ASSISTANCE
PRODUCT ON SKIN :	RINSE WITH WATER FOR 15 MINUTES
PRODUCT INGESTED :	FLUSH MOUTH WITH WATER AND SEEK MEDICAL ADVICE
PRODUCT INHALED :	REMOVE FROM EXPOSURE
5. FIRE FIGHTING MEASURES	
EXTINGUISHING MEDIA :	NON FLAMMABLE
SPECIAL HAZARDS :	NONE
PROTECTIVE CLOTHING :	WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PROTECTIVE CLOTHING
6. ACCIDENTAL RELEASE MEASURES	
PERSONAL PRECAUTIONS :	WEAR PROTECTIVE CLOTHING, GLOVES, EYE AND FACE PROTECTION
ENVIRONMENTAL PRECAUTIONS :	SPILLAGES OR UNCONTROLLED DISCHARGES INTO WATERCOURSES MUST BE REPORTED

	IMMEDIATELY.
SMALL SPILLS :	WASH AWAY WITH LARGE QUANTITIES OF WATER
LARGE SPILLS	WASH AWAY WITH LARGE QUANTITIES OF WATER COLLECT AND PLACE IN SUITABLE WASTE DISPOSAL CONTAINERS AND SEAL SECURELY
<b>7.</b>	<b>HANDLING &amp; STORAGE</b>
SUITABLE MATERIAL :	HIGH DENSITY POLYETHYLENE CONTAINERS
HANDLING / STORAGE ::	COOL AREA WITH OTHER DETERGENTS
<b>8.</b>	<b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
OCCUPATIONAL EXPOSURE LIMITS :	MIST MAY CAUSE IRRITATION OF THROAT, EYES & SKIN
ENGINEERING CONTROL MEASURES :	NONE
PERSONAL PROTECTION :	PVC/RUBBER GLOVES & CHEMICAL FACE SHIELD/ GOGGLES & MASK
OTHER PROTECTION :	NONE
<b>9.</b>	<b>PHYSICAL &amp; CHEMICAL PROPERTIES</b>
APPEARANCE :	THICK GREEN GEL
ODOUR :	PINE
Ph :	CONCENTRATED SOLUTION 7-8
BOILING POINT :	>100
MELTING POINT :	0
FLASH POINT :	BOILS WITHOUT FLASHING
FLAMMABILITY :	NON FLAMMABLE
AUTO-FLAMMABILITY :	NONE
EXPLOSIVE PROPERTIES :	NONE
OXIDIZING PROPERTIES :	NONE
VAPOUR PRESSURE :	N / A
DENSITY :	1.03
SOLUBILITY – WATER :	HIGHLY SOLUBLE
SOLUBILITY – SOLVENT :	SOLUBLE
SOLUBILITY – COEFFICIENT :	CO-EFFICIENT
<b>10.</b>	<b>STABILITY AND REACTIVITY</b>
CONDITIONS TO AVOID :	NONE
INCOMPATIBLE MATERIALS :	NONE
HAZARDOUS DECOMPOSITION PRODUCTS :	NONE
<b>11.</b>	<b>TOXICOLOGICAL INFORMATION</b>
ACUTE TOXICITY :	NO SPECIFIC DATA AVAILABLE
CHRONIC TOXICITY :	NO SPECIFIC DATA AVAILABLE
CARCINOGENICITY :	NON CARCINOGENIC
MUTAGENICITY :	NONE
NEUROTOXICITY :	NONE
REPRODUCTIVE HAZARDS :	NONE
SKIN & EYE CONTACT :	POSSIBLE SKIN SENSITISATION
<b>12.</b>	<b>ECOLOGICAL INFORMATION</b>
AQUATIC TOXICITY – FISH :	NON-TOXIC
AQUATIC TOXICITY – DAPHNIA :	NON-TOXIC
AQUATIC TOXICITY – ALGAE :	NON-TOXIC
BIODEGRADABILITY :	BIODEGRADABLE
BIO-ACCUMULATION :	WILL NOT OCCUR
MOBILITY ;	PRODUCT WILL DISSOLVE IN WATER
<b>13.</b>	<b>DISPOSAL CONSIDERATIONS</b>

DISPOSAL METHODS :	CONTROLLED LANDFILL ACCORDING TO LOCAL REGULATIONS
DISPOSAL OF PACKAGING :	CONTAINERS SHOULD BE CLEANED & RECYCLED
<b>14.</b>	<b>TRANSPORTATION INFORMATION</b>
NOT CLASSIFIED AS HAZARDOUS FOR TRANSPORTATION. RECOMMENDED PRODUCT PACKAGING 25KG PLASTIC CONTAINERS.	
<b>15.</b>	<b>REGULATORY INFORMATION</b>
E E C HAZARD CLASSIFICATION :	IRRITANT / HARMFUL
RISK PHASES :	R22,R36,R38, R43
SAFETY PHASES :	S2,S24,S25,S26
NATIONAL LEGISLATION	NONE
<b>16.</b>	<b>OTHER INFORMATION</b>
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