



INDUSTRIAS AlEn
RESEARCH & DEVELOPMENT

MATERIAL SAFETY DATA SHEET

NFPA HAZARDS	
HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
SPECIFIC	ALK

SECTION I. PRODUCT AND COMPANY INFORMATION

MANUFACTURER ALEN DEL NORTE S.A. DE C.V.	MEXICO EMERGENCY TELEPHONE 01 800 834 33 00	FAX 01 812 211 96
ADDRESS Blvd. Díaz Ordaz No. 1000, Los Treviño, Santa Catarina, C.P. 66350, N.L. México	INFORMATION TELEPHONE (US) For domestic shipments 800 424 9300 For shipments outside US 703 527 3887	
PRODUCT NAME PINALEN DROP & CLEAN		
CHEMICAL NAME MIXTURE	CAS NUMBER NA	
SYNONYMS/ TRADE NAMES Pine oil emulsion		
APPLICATION Household cleaner		

SECTION II. COMPOSITION AND INGREDIENTS INFORMATION

HAZARDOUS INGREDIENTS Chemical/Common Name	Composition Range	CAS NUMBER	ACGHI	OSHA PEL/NIOSH REL
Pine oil	60.0-70.0	8002-09-3	TLV: Not estab.	ND
α -dodecyl- ω -hydroxy-poly(oxy-1,2-ethanediyl) / Ethoxylated 1-dodecanol	1.0-4.0	9002-92-0	TLV: Not estab.	ND
Alpha-(nonylphenyl)- ω -hydroxy-poly(oxy-1,2-ethanediyl)/Nonyl phenol ethoxylate	15.0-25.0	9016-45-9	TLV: Not estab.	ND
1,2-propanediol / propylene glycol	5.0-15.0	57-55-6	TLV: Not estab.	ND

SECTION III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	There is no known adverse effect form chronic exposure to the recommended use of this product
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SECTION IV. FIRST AID MEASURES

INGESTION	Do not induce vomit, drink large quantities of water or milk and get medical attention
INHALATION	Obtain medical attention in all cases
SKIN	Flush with plenty of water
EYES	Wash eyes inmediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention, if needed.

SECTION V. FIRE AND EXPLOSION DATA

FLASH POINT °C 54.5	TEST METHOD Peskin-Matrens Closed Cup Test
FLAMMABILITY NA	EXPLOSIVE LIMITS IN AIR NA

EXTINGUISHING MEDIA:
 WATER SPRAY CO2 FOAM OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS
 Empty containers retain product residue. Do not pressurize, cut, heat, weld or expose such areas to flame because they may explode and cause injury.

SPECIAL FIRE FIGHTING PROCEDURES
 Combustible liquid. Use water spray to cool fire exposed containers, and to protect personnel.

CONDITIONS TO AVOID
 Heat, sparks, open flame and other sources of ignition

HAZARDOUS COMBUSTION PRODUCTS
 CO and CO₂

SECTION VI. SPILL AND DISPOSAL INFORMATION

STEPS TO BE TAKEN IN CASE OF SPILLAGE OR RELEASE
 Extinguish all sources of possible ignition. Small spills may be flushed to sewer. Larger spills may be absorbed onto sawdust or other inert absorbent and disposed. Large spills should be contained and collected for disposal.

PERSONAL PROTECTION EQUIPMENT
 GLOVES GOGGLES BOOTS APRON OTHER
 Chemical resistant gloves Resistant Safety glasses

SECTION VII. HANDLING AND STORAGE

Keep out of the reach of children

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION REQUERIMENTS
 GENERAL VENTILATION LOCAL VENTILATION UNNECESSARY IN NORMAL COND.

PERSONAL PROTECTION EQUIPMENT UNDER NORMAL USE CONDITIONS
 GLOVES GOGGLES BOOTS APRON OTHER
 Rubber or neoprene Safety glasses

WORK/HYGIENIC PRACTICES None special requirements

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear liquid		
COLOR AND ODOR:	Colorless to light yellow and characteristic pine oil smell		
BOILING POINT (°C):	137	MELTING O FREEZING POINT:	NA
FIRE POINT (° C):	NA	AUTO IGNITION TEMPERATURE (°C):	NA
DENSITY (g/ml):	0.94-0.99	VAPOR DENSITY:	NA
MOLECULAR WEIGHT:	NA	VOLATILITY:	NA
PERCENT VOLATILE 100°C :	68.0-72.0	VAPOR PRESSURE (mmHg a 37.3°C):	NA
LOWER EXPLOSION LIMIT (%):	NA	UPPER EXPLOSION LIMITY (%):	NA
PH:	8.0-9.0	VISCOSITY (cps):	30-40
SOLUBILITY IN WATER:	COMPLETE		
SOLUBILITY IN OTHERS:	NA		

SECTION X. REACTIVITY INFORMATION

STABILITY:
 STABLE UNSTABLE

INCOMPATIBILITY WITH VARIOUS SUBSTANCES
 NONE KNOWN WATER ACIDS ALKALIS OXID OTHER

HAZARDOUS POLYMERIZATION
 WILL NOT OCCUR MAY OCCUR (CONDITION TO AVOID)

CONDITIONS OF INSTABILITY
 WILL NOT OCCUR MAY OCCUR (CONDITION TO AVOID)
 Carbon oxides (CO2, CO)

HAZARDOUS DECOMPOSITION PRODUCTS
 Carbon dioxide, carbon monoxide may be produced.

SECTION XI. TOXICOLOGICAL INFORMATION

A. HEALTH EFFECTS

	ACUTE	CHRONIC
INGESTION	May cause irritation to intestinal mucuous	NA
INHALATION	None under normal use conditions	None under normal use conditions
SKIN	May cause irritation on sensitive skin	May cause irritation due to frequent contact with the product
EYES	Irritant	NA

HAZARDS
 CARCINOGENIC MUTAGENIC THERATOGENIC
 INCLUDED IN NOM 010 STPS INCLUDED IN OTHER REFERENCES

COMPLEMENTARY INFORMATION

TEST	RESULTS	ANIMAL SPECIES
NA		

SECTION XII. ECOLOGICAL INFORMATION

ECOTOXICITY

SECTION XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS
 Dispose in accordance with all local, state and federal regulations.

SECTION XIV. TRANSPORT INFORMATION

DOT CLASSIFICATION	Flammable Liquid	SPECIAL PROVISIONS FOR TRANSPORT	B1, B52, IB3, T4, TP1, TP29
PROPER SHIPPING NAME	Compounds, cleaning liquid	TDG CLASSIFICATION	Class 3
DOT IDENTIFICATION #	NA1993	ADR CLASSIFICATION	Class 3
PACKING GROUP	III	IMDG CLASSIFICATION	Class 3
MARITIME TRASPORATION	NA	IATA CLASSIFICATION	Class 3
HAZARDOUS SUSTANCES REPORTABLE QUANTITY	NA		

SECTION XV. REGULATORY INFORMATION

RCRA(40 CFR 261, Subpart D): Not Applicable.	NEW JERSEY RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST:
CLEAN WATER ACT: Not Applicable.	This product contains the following components subject to reporting requirements: pine oil.
CLEAN AIR ACT: Contains propylene glycol and nonyl phenol ethoxylate which are a Section 111 materials.	PENNSYLVANIA HAZARDOUS SUBSTANCE LIST This product contains the following components subject to reporting requirements: propylene glycol.
SARA Sections 301-304 (Threshold Planning Quantity - TPQ) 40 CFR 355: Not applicable.	MASSACHUSETTS SUBSTANCE LIST: This product contains the following components subject to reporting requirements: Not applicable.

SECTION 313 (Toxic Chemical Release Reporting) 40 CFR 372: The following chemicals must be reported under SARA 313: Not applicable.	STATE OF ILLINOIS SUBSTANCE LIST: This product contains the following components subject to reporting requirements: Not applicable.
CERCLA: Section 102: (Reportable Quantity - RQ) 40 CFR 302: Not applicable.	MICHIGAN CRITICAL MATERIALS REGISTER: This product contains the following components subject to reporting requirements: Not applicable. CANADA: (WHMIS)- listed material This product contains the following components subject to reporting requirements: propylene glycol and ethoxylated 1-dodecanol.
CALIFORNIA PROPOSITION 65 Carcinogens and reproductive toxins This product contains the following components subject to reporting requirements: Not applicable.	TSCA Section 8(b) INVENTORY STATUS: All ingredients listed in this product are listed in the TSCA Inventory or are not required to be listed in the TSCA Inventory

SECTION XVI. OTHER INFORMATION

HMIS CLASSIFICATION (USA): HEALTH HAZARD <input type="text" value="1"/> FIRE HAZARD <input type="text" value="2"/> REACTIVITY <input type="text" value="0"/> PERSONAL PROTECTION <input type="text" value="-"/>	NFPA Aerosol Level: Not Applicable *NA: Not available TLV: threshold limit values *ND: Not determined
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CREATION DATE: May 03, 2007	TRANSCRIPTION DATE May 03, 2007	TRANSCRIBED BY LCQ Jesús A. Salazar de León
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DISCLAIMER

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health

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