



**INDUSTRIAS AlEn  
RESEARCH & DEVELOPMENT**

NFPA HAZARDS	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
SPECIFIC	ALK

**SECTION I. PRODUCT AND COMPANY INFORMATION**

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

**SECTION II. COMPOSITION AND INGREDIENTS INFORMATION**

HAZARDOUS INGREDIENTS Chemical/Common Name	Composition Range	CAS NUMBER	ACGHI	OSHA PEL/NIOSH REL
<b>Pine oil</b>	<b>0.05-3.0</b>	<b>8002-09-3</b>	<b>TLV: Not estab.</b>	<b>ND</b>

**SECTION III. HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW	<b>There is no known adverse effect from chronic exposure to the recommended use of this product</b>
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**SECTION IV. FIRST AID MEASURES**

INGESTION	<b>Do not induce vomit, drink large quantities of water or milk and get medical attention</b>
INHALATION	<b>Obtain medical attention in all cases</b>
SKIN	<b>Flush with plenty of water</b>
EYES	<b>Wash eyes immediately 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.</b>

**SECTION V. FIRE AND EXPLOSION DATA**

FLASH POINT °C <b>53</b>	TEST METHOD <b>Peskin-Matrens Closed Cup Test</b>
FLAMMABILITY <b>NA</b>	EXPLOSIVE LIMITS IN AIR <b>NA</b>
EXTINGUISHING MEDIA: WATER SPRAY <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> FOAM <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>Full breathing apparatus and firefighting equipment</b>	
SPECIAL FIRE FIGHTING PROCEDURES <b>Use water spray to keep containers cool</b>	
CONDITIONS TO AVOID <b>Heat, sparks, open flame and other sources of ignition</b>	

HAZARDOUS COMBUSTION PRODUCTS

CO and CO<sub>2</sub>

**SECTION VI. SPILL AND DISPOSAL INFORMATION**

STEPS TO BE TAKEN IN CASE OF SPILLAGE OR RELEASE

Large spills: wear protective equipment, remove sources of ignition, sweep up the material, use absorbent material like sand or saw dust, collect in closed containers, wash area with water.

PERSONAL PROTECTION EQUIPMENT

GLOVES  Latex      GOGGLES       BOOTS       APRON  Resistant      OTHER

**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  Latex      GOGGLES       BOOTS       APRON       OTHER

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 ):	97.0	MELTING O FREEZING POINT:	NA
FIRE POINT ( ° C ):	NA	AUTO IGNITION TEMPERATURE (°C):	NA
DENSITY (g/ml):	0.999-1.003	VAPOR DENSITY:	NA
MOLECULAR WEIGHT:	NA	VOLATILITY:	NA
PERCENT VOLATILE 100°C :	NA	VAPOR PRESSURE ( mmHg a 37.3°C):	NA
LOWER EXPLOSION LIMIT (%):	NA	UPPER EXPLOSION LIMITY (%):	NA
PH:	11.0-12.0	VISCOSITY (cps):	NA
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 )

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon dioxide, carbon monoxide may be produced. Sulfur compounds may also 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	Moderately irritant	NA

HAZARDS	
CARCINOGENIC <input type="checkbox"/>	MUTAGENIC <input type="checkbox"/>
INCLUDED IN NOM 010 STPS <input type="checkbox"/>	THERATOGENIC <input type="checkbox"/>
	INCLUDED IN OTHER REFERENCES <input type="checkbox"/>

COMPLEMENTARY INFORMATION		
TEST	RESULTS	ANIMAL SPECIES
NA		

**SECTION XII. ECOLOGICAL INFORMATION**

ECOTOXICITY  
NA

**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 TRANSPORTATION	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: Not Applicable.	PENNSYLVANIA HAZARDOUS SUBSTANCE LIST This product contains the following components subject to reporting requirements: Not Applicable.
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: Not Applicable.

<p>CALIFORNIA PROPOSITION 65 Carcinogens and reproductive toxins</p> <p>This product contains the following components subject to reporting requirements: Not Applicable.</p>	<p>TSCA Section 8(b) INVENTORY STATUS:</p> <p>All ingredients listed in this product are listed in the TSCA Inventory or are not required to be listed in the TSCA Inventory</p>
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SECTION XVI. OTHER INFORMATION		
<p>HMIS CLASSIFICATION (USA):</p> <p>HEALTH HAZARD <input type="text" value="1"/></p> <p>FIRE HAZARD <input type="text" value="1"/></p> <p>REACTIVITY <input type="text" value="0"/></p> <p>PERSONAL PROTECTION <input type="text" value="-"/></p>	<p>NFPA Aerosol Level:</p> <p>Not Applicable</p> <p>*NA: Not available</p> <p>TLV: threshold limit values</p> <p>*ND: Not determined</p>	
<p>CREATION DATE:</p> <p>March 23, 2007</p>	<p>TRANSCRIPTION DATE</p> <p>March 23, 2007</p>	<p>TRANSCRIBED BY</p> <p>LCQ Jesús A. Salazar de León</p>

**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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