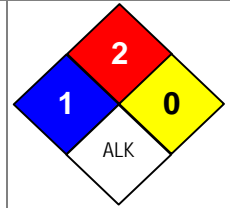




Industrias AIEn
Research & Development
Material Safety Data Sheet



SAP Code

MSDS FP-6050003

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) CHEMTRAC For domestic shipments 800 424 9300 For shipments outside US 703 527 3887	
Product Name PINALEN		
Chemical Name NA	CAS Number NA	
Synonyms/Trade Names Pine oil emulsion		
Application Household all-purpose cleaner		

SECTION II – COMPOSITION AND INGREDIENTS INFORMATION

Hazardous Ingredients Chemical/Common Name	Composition Range	CAS Number	ACGHI	OSHA PEL/NIOSH REL
Pine oil	2.0 – 8.0	8002-09-3	TLV: Not estab.	ND

SECTION III – HAZARDS IDENTIFICATION

Emergency overview There is no known adverse effect from chronic exposure to the recommended use of this product.
--

SECTION IV – FIRST AID MEASURES

Ingestion	Do not induce vomiting, drink large quantities of water or milk and get medical attention.
Inhalation	If inhaled, remove to fresh air. If respiratory irritation is present or if breathing is difficult, obtain medical attention.

Skin	Flush affected area with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation is presented.
Eyes	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.

SECTION V – FIRE AND EXPLOSION DATA	
Flash Point (°C)	Test method
57.0	Pensky-Martens Closed Cup Test.
Flammability	Explosive limits in air
NA	NA
Extinguishing media:	
Water spray <input checked="" type="checkbox"/>	CO ₂ <input checked="" type="checkbox"/> Foam <input type="checkbox"/> Other <input type="checkbox"/>
Unusual fire and explosion hazards	
Full breathing apparatus and firefighting equipment.	
Special fire fighting procedures	
Use water spray to keep containers cool.	
Conditions to avoid	
Heat, sparks, open flame and other sources of ignition.	
Hazardous combustion products	
Carbon monoxide and carbon dioxide.	

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 sawdust, collect in closed containers, wash area with water.				
Small spills: wash area with plenty of water.				
Personal protection equipment				
Gloves <input checked="" type="checkbox"/> Latex	Goggles <input checked="" type="checkbox"/>	Boots <input checked="" type="checkbox"/>	Apron <input checked="" type="checkbox"/>	Other <input type="checkbox"/>

SECTION VII – HANDLING AND STORAGE

Handling

Use with adequate ventilation. Avoid contact with skin, eyes and clothing.

Storage

Keep out of reach of children. Keep containers closed when not in use. Store in a well ventilated, cool, dry area. Do not store near heat, sparks or open flame. Keep from freezing.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation requirements

General ventilation Local ventilation Unnecessary in normal cond.

Personal protection equipment under normal use conditions

Gloves Goggles Boots Apron Other
Latex

Work/hygienic practices

None special requirements.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid		
Color and odor:	Light yellow and characteristic pine oil smell		
Boiling point (°C):	95.0	Melting or freezing point:	ND
Fire point (°C):	NA	Auto ignition temperature (°C):	ND
Density (g/ml):	0.999-1.003	Vapor density:	ND
Molecular weight:	NA	Volatility:	ND
Percent volatile 100°C :	95.0	Vapor pressure (mmHg @ 37.3°C):	ND
Lower explosion limit (%):	NA	Upper explosion limit (%):	NA
pH:	11.9-13.1	Viscosity (Cps):	NA
Solubility in water:	Complete	Solubility in others:	ND

SECTION X – REACTIVITY INFORMATION

Stability:

Stable Unstable

Incompatibility with various substances:

None known Water Acids Alkalis Oxide Other

Hazardous polymerization:

Will not occur May occur

Conditions of instability:

Will not occur May occur

Hazardous decomposition products:

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

SECTION XI – TOXICOLOGICAL INFORMATION

Health effects

Contact via	Acute	Chronic
Ingestion	May cause irritation to intestinal mucous	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	Moderate irritant	NA

Hazards

Carcinogenic Mutagenic Theratogenic Included in Included in
 NOM 010 STPS other references

Complementary information

Test	Results	Animal Species
Irritability, IMSS Norm 1986 Dilution of the product 1:10	Primary irritant negative	Rabbit

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

Regulation	Proper Shipping Name	Identification number UN/NA	Hazard Classification	Packing Group
Land Transportation DOT (USA)	NA	NA	NA	NA
Land Transportation TDG (Canada)	NA	NA	NA	NA
Land Transportation ADR (Europe)	NA	NA	NA	NA
Air Transportation IATA (International)	NA	NA	NA	NA
Water Transportation IMDG (International)	NA	NA	NA	NA

SECTION XV – REGULATORY INFORMATION

RCRA (40 CFR 261, Subpart D):	New Jersey Right to Know Hazardous Substance List:
Not applicable.	This product contains the following components subject to reporting requirements: Pine oil.
Clean Water Act:	Pennsylvania Hazardous Substance List
Not applicable.	Not applicable.

Clean Air Act:	Massachusetts Substance List:
Not applicable.	Not applicable.
SARA Sections 301-304 (Threshold Planning Quantity - TPQ) 40 CFR 355:	State Of Illinois Substance List:
Not applicable.	Not applicable.
Section 313 (Toxic Chemical Release Reporting) 40 CFR 372:	Michigan Critical Materials Register:
Not applicable.	Not applicable.
CERCLA Section 102 (Reportable Quantity - RQ):	Canada (WHMIS) - listed material:
Not applicable.	Not applicable.
California Proposition 65 Carcinogens and reproductive toxins	TSCA Section 8(b) Inventory Status:
Not applicable.	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)	HMIS Letter	Required Equipment
Health 1	A	Safety glasses.
Flammability 2	B	Safety glasses, gloves.
Physical Hazard 0	C	Safety glasses, gloves, protective apron.
Personal Protection B	D	Face shield, gloves, protective apron.
	E	Safety glasses, gloves, dust respirator.
	F	Safety glasses, gloves, protective apron, dust respirator.
	G	Safety glasses, gloves, vapor respirator.
	H	Splash glasses, gloves, protective apron, vapor respirator.
	I	Safety glasses, gloves, dust respirator, vapor respirator.
	J	Safety glasses, gloves, protective apron, dust respirator, vapor respirator.
	K	Air line mask or hood, gloves, full suit, boots.
NFPA Aerosol Level:		
NA		
NA: Not Applicable TLV: Threshold Limit Values ND: Not Determined		

Creation date:	Last revision date:	Next revision date:	Created by:
18/June/2003	16/June/2010	16/June/2011	Jesus Armando Salazar De Leon

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. The information contained herein has been compiled from sources considered by Industrias AIEn to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Industrias AIEn assumes no responsibility for injury to the recipient or third persons, for any damage to any property from misuse of the controlled product.