

	Industrias AIE n Research & Development Material Safety Data Sheet	
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SAP Code	MSDS FP-6050105-RP
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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 REAL PINE		
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 not known adverse effect form chronic exposure to the recommended use of this product.

SECTION IV – FIRST AID MEASURES

Ingestion	Do not induce vomit, drink large quantities of water or milk and get medical attention.
Inhalation	If inhaled, remove to fresh air. If respiratory irritation is presented 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 saw dust, 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	Googles <input checked="" type="checkbox"/>	Boots <input checked="" type="checkbox"/>	Coarse <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 Coarse Other
 Latex

Work/hygienic practices

None special requirements.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid		
Color and odor:	Amber 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 Water Acids Alkalis Oxide Other
known

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	Moderately irritant	NA

Hazards

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

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): Not applicable.	New Jersey Right to Know Hazardous Substance List: This product contains the following components subject to reporting requirements: Pine oil.
Clean Water Act: Not applicable.	Pennsylvania Hazardous Substance List Not applicable.

Clean Air Act: Not applicable.	Massachusetts Substance List: Not applicable.
SARA Sections 301-304 (Threshold Planning Quantity - TPQ) 40 CFR 355: Not applicable.	State Of Illinois Substance List: Not applicable.
Section 313 (Toxic Chemical Release Reporting) 40 CFR 372: Not applicable.	Michigan Critical Materials Register: Not applicable.
CERCLA Section 102 (Reportable Quantity - RQ): Not applicable.	Canada (WHMIS) - listed material: Not applicable.
California Proposition 65 Carcinogens and reproductive toxins 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)		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	04/Mar/2009	04/Mar/2010	Jesus Armando Salazar De Leon

DISCLAIMER

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