



**INDUSTRIES AIEñ
RESEARCH & DEVELOPMENT**

MATERIAL SAFETY DATA SHEET

HAZARD RATINGS	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
SPECIFIC	---

SECTION I. GENERAL DATA

COMPANY ALEN DEL NORTE S. A. DE C. V.	MEXICO EMERGENCY TELEPHONE 01 800 834 33 00	FAX 01 812 210 96 X1106
ADDRESS Blvd Díaz Ordaz No. 1000, Los Treviño, Santa Catarina, C.P. 66350, N.L. México	CHEMTREC EMERGENCY INFORMATION TELEPHONE (US) For domestic shipments 800 424 9300 For shipments outside US 703 527 3887	

SECTION II. PRODUCT DATA

PRODUCT NAME PINALEN NATURAL ESSENCE	CAS NUMBER NA
CHEMICAL NAME MIXTURE	
SYNONYMS/ TRADE NAMES NA	
APPLICATION All purpose pine cleaner	

SECTION III. COMPOSITION / INGREDIENTS INFORMATION

HAZARDOUS INGREDIENTS	% P / V	CAS NUMBER	PERMISSIBLE UPPER LIMIT CPT/CCT/ P (ppm)	SPECIAL HAZARDS (TWA / TLV)
Glycol ether	<5.00	111-76-2	---	Not established
Isorpropyl Alcohol	<10.00	67-63-0	---	400 ppm (OSHA) 400 ppm (ACGIH)
Pine oil	<5.00	8002-09-3	ND	ND

SECTION IV. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	clear liquid		
COLOR AND ODOR:	Colorless to light yellow and natural essences smell		
BOILING POINT (°F):	>200	MELTING O FREEZING POINT:	NA
FIRE POINT (° F):	NA	AUTO IGNITION TEMPERATURE (°F):	NA
DENSITY (g/ml):	0.998-1.002	VAPOR DENSITY:	ND
MOLECULAR WEIGHT:	NA	VOLATILITY:	ND
PERCENT VOLATILE 212°F :	85.0 - 90.0	VAPOR PRESSURE (mmHg a 37.3°F):	ND
LOWER EXPLOSION LIMIT (%):	NA	UPPER EXPLOSION LIMIT (%):	NA
pH:	7.0-8.2	VISCOSITY (cps):	NA
SOLUBILITY IN WATER:	Complete		
SOLUBILITY IN OTHERS:	NA		

SECTION V. FIRE FIGHTING MEASURES

FLASH POINT °F ND	TEST METHOD ND
EXTINGUISHING MEDIA: WATER FOG <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> FOAM <input checked="" type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry chemicals	
UNUSUAL FIRE AND EXPLOSION HAZARDS Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective firefighter clothing	
SPECIAL FIRE FIGHTING PROCEDURES Use water spray to keep the fire exposed containers cool.	

CONDITIONS TO AVOID

Keep away from any sources of heat, flame, spark or any other ignition source. Empty containers may still retain material residues, do not cut, held, heat or expose such areas to fire because they may explode and cause injury

HAZARDOUS COMBUSTION PRODUCTS

Thermal decomposition may produce toxic vapors/fumes of amines and other organic materials, and oxides of carbon and nitrogen

SECTION VI. REACTIVITY INFORMATION

STABILITY:

STABLE

UNSTABLE

CHEMICAL TO AVOID

NONE

WATER

ACIDS

ALKALIS

OXIDANTS

OTHER

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

MAY OCCUR (CONDITION TO AVOID)

HAZARDOUS COMBUSTION PRODUCTS

WILL NOT OCCUR

MAY OCCUR (CONDITION TO AVOID)

SECTION VII. POTENTIAL HEALTH EFFECTS

A. HEALTH EFFECTS

	ACUTE	CHRONIC
INGESTION	May cause irritation to intestinal mucose	NA
INHALATION	None under normal use conditions	NA
SKIN	Direct or prolonged contact on sensitive skin may cause mild or no irritation	NA
EYES	May cause mild irritation	NA

HAZARDS

CARCINOGENIC

INCLUDED IN NOM 010 STPS

MUTAGENIC

THERATOGENIC

INCLUDED IN OTHER REFERENCES

CHEMICALS LISTED AS CARCINOGENS BY: (YES / NO)

NATIONAL TOXICOLOGY PROGRAM: NO

I.A.R.C. MONOGRAPHS: NO

OSHA: NO

TEST	RESULTS	ANIMAL SPECIES
NA	NA	NA

B. FIRST AIDS MEASURES

INGESTION	If swallowed, DO NOT induce vomiting. Wash mouth with plenty of water for at least 15 minutes. Drink water, if vomiting does occur, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person
INHALATION	Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult
SKIN	Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops.
EYES	Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops

SECTION VIII. SPILL AND DISPOSAL INFORMATION

STEPS TO BE TAKEN IN CASE OF SPILLAGE OR RELEASE

Big spills: Dike and contain spill with inert material (sand, earth, etc.) to keep spill out of sewers and open bodies of water. absorb and transfer the liquid and solid separately to containers for recovery or disposal. Wash area with plenty of water.

PERSONAL PROTECTION EQUIPMENT

GLOVES GOGGLES BOOTS COARSE OTHER safety glasses
Rubber

Water source to flush eyes, other protective clothing may be needed if splashing occurs

WASTE DISPOSAL METHODS

Dispose of in compliance with all Federal, state and local laws and regulations. Incineration is the preferred method.

SECTION IX. PERSONAL PROTECTION INFORMATION

VENTILATION REQUEST

GENERAL
VENTILATION

LOCAL
VENTILATION

UNNECESSARY
COND.

IN

NORMAL

PERSONAL PROTECTION EQUIPMENT UNDER NORMAL USE CONDITIONS

GLOVES GOGGLES BOOTS COARSE OTHER

Rubber or neoprene

Eye wash, safety shower, protective clothing (long sleeves, coveralls or other, as appropriate), when needed, to prevent skin contact

SECTION X. TRANSPORT INFORMATION

NA

SECTION XI. ECOLOGICAL INFORMATION

NA

SECTION XII. SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS

Store at temperatures below 140°F. Keep containers closed until used. Do not contaminate drinking water, food or feed by storage or disposal

OTHERS

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REVISED BY:

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