



**INDUSTRIAS AIE n
RESEARCH & DEVELOPMENT**

MATERIAL SAFETY DATA SHEET

HAZARD RATINGS	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
SPECIFIC	ALK

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	
CHEMICAL NAME NA	CAS NUMBER NA
SYNONYMS/ TRADE NAMES Pine oil emulsion	
APPLICATION Household all-purpose cleaner	

SECTION III. COMPOSITION / INGREDIENTS INFORMATION

HAZARDOUS INGREDIENTS	% P / V	CAS NUMBER	PERMISSIBLE UPPER LIMIT CPT/CCT/ P (ppm)	SPECIAL HAZARDS
Pine oil	< 6.00	008002-09-3	NA	NA

SECTION IV. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear liquid		
COLOR AND ODOR:	Yellow and characteristic pine oil smell		
BOILING POINT (° C):	99-101	MELTING O FREEZING POINT:	NA
FIRE POINT (° C):	NA	AUTO IGNITION TEMPERATURE (°C):	NA
DENSITY (g/ml):	0.9999-1.003	VAPOR DENSITY:	NA
MOLECULAR WEIGHT:	NA	VOLATILITY:	NA
PERCENT VOLATILE 100°C :	ND	VAPOR PRESSURE (mmHg a 37.3°C):	NA
LOWER EXPLOSION LIMIT (%):	ND	UPPER EXPLOSION LIMITY (%):	NA
PH:	12.0-13.0	VISCOSITY (cps):	NA
SOLUBILITY IN WATER:	soluble		
SOLUBILITY IN OTHERS:	NA		

SECTION V. FIRE FIGHTING MEASURES

FLASH POINT °C NA	TEST METHOD NA		
EXTINGUISHING MEDIA: WATER FOG <input checked="" type="checkbox"/>	CO2 <input checked="" type="checkbox"/>	FOAM <input checked="" 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 CO and CO₂			

SECTION VI. REACTIVITY INFORMATION

STABILITY:

STABLE UNSTABLE

CHEMICAL TO AVOID

NONE WATER ACIDS ALKALIS OXID 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 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 MUTAGENIC THERATOGENIC INCLUDED IN NOM 010 STPS INCLUDED IN OTHER REFERENCES

NA

COMPLEMENTARY INFORMATION

TEST

Irritability, IMSS Norm 1986
Product diluted 1:10

RESULTS

Primary irritant negative

ANIMAL SPECIES

Rabbit

B. 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 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 VIII. 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

latex

GOGGLES BOOTS COARSE

Resistant

OTHER

WASTE DISPOSAL METHODS

Is not necessary to confine this material

SECTION IX. PERSONAL PROTECTION INFORMATION

VENTILATION REQUEST

GENERAL VENTILATION LOCAL VENTILATION UNNECESSARY IN NORMAL COND.

PERSONAL PROTECTION EQUIPMENT UNDER NORMAL USE CONDITIONS

GLOVES

latex

GOGGLES BOOTS COARSE OTHER **SECTION X. TRANSPORT INFORMATION**

In accordance with all local, state and federal regulations.

SECTION XI. ECOLOGICAL INFORMATION

NA

SECTION XII. SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS

Avoid prolonged skin contact with the product, if vapors are formed due to heating get to fresh air

Wash hands thoroughly with water after contact with the product

OTHERS

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Ene 21, 2002

REVISED BY:

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