



INDUSTRIAS AIE n
RESEARCH & DEVELOPMENT

MATERIAL SAFETY DATA SHEET

NFPA HAZARDS	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
SPECIFIC	ALK

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) For domestic shipments 800 424 9300 For shipments outside US 703 527 3887	
PRODUCT NAME PINE-O-PINE DISINFECTANT DEODORIZER CLEANER		
CHEMICAL NAME MIXTURE	CAS NUMBER NA	
SYNONYMS/ TRADE NAMES Pine oil emulsion		
APPLICATION Household cleaner		

SECTION II. COMPOSITION AND INGREDIENTS INFORMATION

HAZARDOUS INGREDIENTS Chemical/Common Name	Composition Range	CAS NUMBER	ACGHI	OSHA PEL/NIOSH REL
Pine oil	35.0-25.0	8002-09-3	TLV: Not estab.	ND
Isopropyl alcohol/ Isopropanol	10.0-1.0	67-63-0	TLV-TWA: 400ppm TLV-STEL: 500ppm	REL-TWA: 400ppm REL-STEL: 500 ppm PEL-TWA: 400ppm
Alpha-(nonylphenyl)-w- hydroxy-poly(oxy-1,2- ethanediyl)/Nonyl phenol ethoxylate	5.0-1.0	9016-45-9	TLV: Not estab.	ND
Ethylenediaminetetra- acetic acid/EDTA	1.0-0.1	60-00-4	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 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 V. FIRE AND EXPLOSION DATA

FLASH POINT °C 39	TEST METHOD T.C.C.
FLAMMABILITY NA	EXPLOSIVE LIMITS IN AIR NA
EXTINGUISHING MEDIA: WATER SPRAY <input checked="" type="checkbox"/> CO ₂ <input checked="" type="checkbox"/> FOAM <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	

UNUSUAL FIRE AND EXPLOSION HAZARDS

Empty containers retain product residue. Do not pressurize, cut, heat, weld or expose such areas to flame because they may explode and cause injury.

SPECIAL FIRE FIGHTING PROCEDURES
Combustible liquid. Use water spray to cool fire exposed containers, and to protect personnel.

CONDITIONS TO AVOID
Heat, sparks, open flame and other sources of ignition

HAZARDOUS COMBUSTION PRODUCTS
CO and CO₂

SECTION VI. SPILL AND DISPOSAL INFORMATION

STEPS TO BE TAKEN IN CASE OF SPILLAGE OR RELEASE
Extinguish all sources of possible ignition. Small spills may be flushed to sewer. Larger spills may be absorbed onto sawdust or other inert absorbent and disposed. Large spills should be contained and collected for disposal.

PERSONAL PROTECTION EQUIPMENT
 GLOVES BOOTS APRON OTHER
Chemical resistant glove: Resistant Safety glasses

SECTION VII. HANDLING AND STORAGE

Keep out of the reach of childrer

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION REQUERIMENTS
 GENERAL VENTILATION LOCAL VENTILATION UNNECESSARY IN NORMAL COND.

PERSONAL PROTECTION EQUIPMENT UNDER NORMAL USE CONDITIONS
 GLOVES BOOTS APRON OTHER
Rubber or neoprene Safety glasses

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): **Near 212** MELTING O FREEZING POINT: **NA**

FIRE POINT (° C): **NA** AUTO IGNITION TEMPERATURE (°C): **NA**

DENSITY (g/ml): **0.96-0.99** VAPOR DENSITY: **NA**

MOLECULAR WEIGHT: **NA** VOLATILITY: **NA**

PERCENT VOLATILE 100°C : **38.0-42.0** VAPOR PRESSURE (mmHg a 37.3°C): **NA**

LOWER EXPLOSION LIMIT (%): **NA** UPPER EXPLOSION LIMITY (%): **NA**

PH: **12.5-13.5** 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)

Carbon oxides (CO₂, CO)

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		Irritant	NA

HAZARDS		
CARCINOGENIC <input type="checkbox"/>	MUTAGENIC <input type="checkbox"/>	THERATOGENIC <input type="checkbox"/>
INCLUDED IN NOM 010 STPS <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	NA	SPECIAL PROVISIONS FOR TRANSPORT	NA
PROPER SHIPPING NAME	NA	TDG CLASSIFICATION	NA
DOT IDENTIFICATION #	NA	ADR CLASSIFICATION	NA
PACKING GROUP	NA	IMDG CLASSIFICATION	NA
MARITIME TRASPORTATION	NA	IATA CLASSIFICATION	NA
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: Contains EDTA (RQ = 5000 lb/2270 kg) which is a 301, 307 and 311 material.	This product contains the following components subject to reporting requirements: isopropanol, pine oil and EDTA.
CLEAN AIR ACT: Contains isopropanol and nonyl phenol ethoxylate which are a Section 111 materials.	PENNSYLVANIA HAZARDOUS SUBSTANCE LIST This product contains the following components subject to reporting requirements: isopropanol and EDTA.
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: isopropanol and EDTA.
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: isopropanol and EDTA.
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: isopropanol.
CALIFORNIA PROPOSITION 65 Carcinogens and reproductive toxins This product contains the following components subject to reporting requirements: 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): HEALTH HAZARD <input type="text" value="1"/> FIRE HAZARD <input type="text" value="1"/> REACTIVITY <input type="text" value="0"/> PERSONAL PROTECTION <input type="text" value="-"/>		NFPA Aerosol Level: Not Applicable *NA: Not available TLV: threshold limit values *ND: Not determined
CREATION DATE: June 18, 2003	TRANSCRIPTION DATE June 26, 2006	TRANSCRIBED BY: LCQ Jesús A. Salazar de León

DISCLAIMER

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