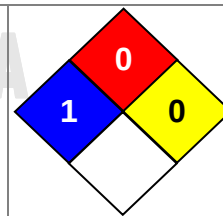




Industrias AIEn
Research & Development
Safety Data Sheet



Classification

Confidential

SAP Code

SDS CP-0442

SECTION 1 – IDENTIFICATION

Manufacturer	Mexico emergency telephone	Fax
ALEN DEL NORTE S.A. DE C.V.	01 800 834 33 00	+52 (81) 81221099
Address	Emergency telephone number (US)	
Blvd. Díaz Ordaz No. 1000, Los Treviño, Santa Catarina, N.L. C.P. 66150, México	CHEMTRAC	
	For domestic shipments	800 424 9300
	For shipments outside US	703 527 3887
Product Name		
PINOL DETERGENT CLEAN & FRESH		
Chemical Name	CAS Number	
NA, Mixture	NA	
Synonyms/Trade Names		
NA		
Application	Restrictions on use	
Household laundry detergent.	This product is intended for household laundry cleaning only.	

SECTION 2 – HAZARDS IDENTIFICATION

Classification: Acute Toxicity – Oral Cat. 4 Eye Irritation Cat. 2B This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).	
Signal word:	Warning
Hazard Statements:	H302 Harmful if swallowed. H320 Causes eye irritation.
Pictograms: 	

Precautionary Statements	
❖ Prevention: Do not swallow. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling.	❖ Storage: Keep out of reach of children. Keep packages closed when not in use. Store in a cool, dry area.
❖ Response: IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. IF ON SKIN: Take off contaminated clothing. Rinse skin with plenty of water for 15 – 20 minutes. IF SWALLOWED: Get medical attention. Do not induce vomiting. Drink large quantities of water.	❖ Disposal: Dispose in accordance with all applicable local, state and federal regulations.
Hazard not otherwise classified: Repeated or prolonged contact may cause skin irritation or sensitization.	Unknown Toxicity: Not applicable.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS		
Hazardous Ingredients Chemical/Common Name	Composition Range	CAS Number
Sodium dodecylbenzenesulfonate	13.0 – 15.0%	25155-30-0

SECTION 4 – FIRST-AID MEASURES	
For treatment advice, call a Poison Control Center or a doctor.	
Ingestion	Do not induce vomiting, rinse mouth and drink large quantities of water. Get immediate medical attention. Apply other supportive measures as indicated by the patient's clinical condition.
Inhalation	Not an irritant. If a high concentration of particles is dispersed in air, leave the area and get fresh air.
Skin	Wash affected area with plenty of water and soap, until no evidence of product remains. Get medical attention if irritation develops or persists.
Eyes	Remove contact lenses if necessary and immediately irrigate the affected eye thoroughly with water or 0.9% saline for at least 10-15 minutes, until no evidence of chemical remains. Get medical attention if irritation develops or persists.
Most important symptoms and effects: Abdominal pain. Redness of eyes and/or skin.	Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

SECTION 5 – FIRE-FIGHTING MEASURES	
Flash Point (°C)	Test method
NA	----
Flammability	Explosive limits in air
ND	No explosion hazard.
Extinguishing media:	
Water spray ☒	CO ₂ ☒ Foam ☒ Other ☐

Unusual fire and explosion hazards: NA
Special protective equipment: Wear NIOSH approved self-contained breathing apparatus and full protective clothing when fighting fires involving chemicals.
Special fire-fighting procedures: NA
Conditions to avoid: Heat, sparks, open flame and other sources of ignition.
Hazardous combustion products: Irritant fumes of sulfur oxides, carbon monoxide and carbon dioxide.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions

Minimize dust levels while collecting product. Prevent exposure to dust with NIOSH approved respirators with HEPA filters. Minimize prolonged skin contact by using gloves.

Gloves ☒ Latex

Goggles ☒

Boots ☒

Coat ☐

Other ☒ Respirators

Emergency Procedures in case of release or spillage:

Large spills: Wear protective equipment, remove sources of ignition, sweep up the material while minimizing dust generation, collect in closed containers and dispose of according to all local regulations. Vacuum remaining dust on floor, as appropriate, and wash area with plenty of water.

Small spills: Wash area with plenty of water and dispose the material in accordance with all local, state and federal regulations. Avoid heat, sparks, open flame and other sources of ignition. Avoid contact with skin, eyes and clothing.

Methods and Materials for Containment and Cleaning up:

Wipe up small (household) spills with a damp cloth. Wash down to acceptable sanitary sewer and conduct to treatment facility. Dispose of according to all local, state and federal regulations.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Do not eat, drink, or smoke when using the product. Avoid breathing dust.

Recommendations on the conditions for safe storage: Keep out of reach of children. Keep packages closed when not in use. Store in a well-ventilated, cool, dry area. Keep away from heat, sparks or open flame.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

Hazardous Ingredients Chemical/Common Name	CAS Number	ACGIH TLV	OSHA PEL/NIOSH REL
Sodium dodecylbenzenesulfonate	25155-30-0	TLV: Not estab.	Not estab.

Appropriate engineering controls:

Eye and hand washers

Ventilation requirements

General ventilation ☐ Local ventilation ☒ Unnecessary in normal cond. ☐

Work practices: Follow good manufacturing practices for housekeeping and personal hygiene. Do not eat, drink, or smoke during work. Wash any exposed skin immediately after chemical contact and before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before re-use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White powder with green particles		
Color and odor:	White color and fresh scent		
Boiling point (°C):	NA	Melting or freezing point:	ND
Flash point (°C):	NA	Decomposition temperature:	ND
Fire point (°C):	NA	Auto ignition temperature (°C):	ND
Density (g/L):	430 – 490	Vapor density:	NA
Molecular weight:	NA	Volatility:	NA
Percent volatile 100°C:	3.0 – 5.0%	Vapor pressure (mmHg @ 20°C):	NA
Lower explosion limit (%):	NA	Upper explosion limit (%):	NA
pH (1% solution):	10 – 12	Viscosity (cPs):	NA
Solubility in water:	Complete	Solubility in others:	ND
Partition coefficient: n-octanol / water	ND	Odor threshold:	ND

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: May react with bases and oxidants to produce sulfur oxides.	
Chemical stability: Stable ☒ Unstable ☐	
Possibility of hazardous reactions: Not under normal handling of product.	
Conditions to avoid: None known.	
Incompatible materials: None ☐ known Water ☐ Acids ☐ Alkalis ☒ Oxidants ☒ Other ☐	
Hazardous decomposition products: Carbon dioxide and carbon monoxide may be produced. Irritant sulfur compounds may also be produced.	
Hazardous polymerization: Will not occur ☒ May occur ☐	

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure		
Contact via	Acute	Chronic
Ingestion	May cause irritation to intestinal mucous.	Diarrhea, vomit.
Inhalation	Sneezes, cough, mucosa irritation.	NA

Skin	May cause irritation on sensitive skin.	Repeated or prolonged contact may cause an allergic skin reaction.
Eyes	Causes eye irritation.	NA
Symptoms: Abdominal pain. Redness of eyes and/or skin. Chronic effects from short and long-term exposure: Carcinogenic ☐ Mutagenic ☐ Theratogenic ☐ Included in ☐ NOM 010 STPS Included in ☐ other references National Toxicology Program (NTP) Report on Carcinogens: Not listed. International Agency for Research on Cancer (IARC) Monographs: Not listed. OSHA: Not listed.		
Complementary information		
Chemical Name	LD50 Oral	Animal Species
Sodium dodecylbenzenesulfonate	438 mg/kg	Rat

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Product does not contain phosphate compounds.

Persistence and degradation in environment: Product is readily biodegradable.

Test of bioaccumulation: No information available

Other adverse effects : No information available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal methods: Place material into sealed containers and dispose in accordance with all applicable local, state and federal regulations.

Contaminated packaging: Do not reuse empty containers.

SECTION 14 – TRANSPORT INFORMATION

Regulation	Proper Shipping Name	Identification number UN/NA	Hazard Classification	Packing Group
Land Transportation DOT (USA)	Not regulated	Not regulated	Not regulated	Not regulated
Land Transportation TDG (Canada)	Not regulated	Not regulated	Not regulated	Not regulated
Land Transportation ADR (Europe)	Not regulated	Not regulated	Not regulated	Not regulated
Air Transportation IATA (International)	Not regulated	Not regulated	Not regulated	Not regulated
Water Transportation IMDG (International)	Not regulated	Not regulated	Not regulated	Not regulated

SECTION 15 – 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: Sodium dodecylbenzenesulfonate.
Clean Water Act:	Pennsylvania Hazardous Substance List:
Contains Sodium dodecylbenzenesulfonate (RQ=1,000 lb / 454 Kg) Section 311.	This product contains the following components subject to reporting requirements: Sodium dodecylbenzenesulfonate and sodium sulfate.
Clean Air Act:	Massachusetts Substance List:
Contains Sodium dodecylbenzenesulfonate which is regulated under Section 111.	This product contains the following components subject to reporting requirements: Sodium dodecylbenzenesulfonate and sodium sulfate.
SARA Sections 301-304 (Threshold Planning Quantity - TPQ) 40 CFR 355:	State Of Illinois Substance List:
Not applicable.	This product contains the following components subject to reporting requirements: Sodium dodecylbenzenesulfonate.
SARA 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.	This product contains the following components subject to reporting requirements: Sodium dodecylbenzenesulfonate, sodium sulfate and sodium carbonate.
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 16 – OTHER INFORMATION

HMIS Classification (USA)		HMIS Letter	Required Equipment
Health	1	A	Safety glasses.
Flammability	0	B	Safety glasses, gloves.
Physical Hazard	0	C	Safety glasses, gloves, protective apron.
Personal Protection	E	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:
April 24, 2015	April 24, 2015	April 24, 2017	Norma Marisol Plascencia

DISCLAIMER

The submission of this SDS may be required by law, but this is not an assertion that the substance is not hazardous when it is not used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health and not for consumer use. The information contained herein has been compiled from sources considered by Industrias AIE 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 AIE assumed no responsibility for injury to the recipient or third persons, for any damage to any property from misuse of the controlled product.