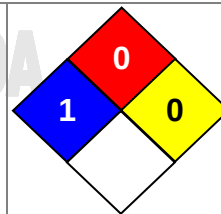




Industrias AIEn
Research & Development
Safety Data Sheet



Classification

Confidential

SAP Code

SDS FP-6050365

SECTION 1 – IDENTIFICATION

Manufacturer ALEN DEL NORTE S.A. DE C.V.	Mexico emergency telephone 01 800 834 33 00	Fax +52 (81) 81221099
Address Blvd. Díaz Ordaz No. 1000, Los Treviño, Santa Catarina, N.L. C.P. 66150, México	Emergency telephone number (US) CHEMTRAC For domestic shipments For shipments outside US	 800 424 9300 703 527 3887
Product Name PINOL DETERGENT FLORAL		
Chemical Name NA, Mixture	CAS Number NA	
Synonyms/Trade Names NA		
Application Liquid Laundry Detergent	Restrictions on use 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: Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling.	❖ Storage: Keep out of reach of children. Keep containers closed when not in use. Store in a cool, dry area. Keep away from heat, sparks or open flame.
❖ 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 sensitization.	Unknown Toxicity: Not applicable.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS		
Hazardous Ingredients Chemical/Common Name	Composition Range	CAS Number
Dodecylbenzenesulfonic acid	1.0 – 5.0	27176-87-0
Disodium tetraborate / Borax	0.1 – 1.0	1330-43-4
Sodium hydroxide / Caustic soda	0.1 – 1.0	1310-73-2

SECTION 4 – FIRST-AID MEASURES	
For treatment advice, call a Poison Control Center or a doctor.	
Ingestion	Do not induce vomiting, drink large quantities of water or milk. Get immediate medical attention. Apply other supportive measures as indicated by the patient's clinical condition.
Inhalation	Not an irritant. In case concentrated vapors were formed due to heating, get fresh air.
Skin	Wash affected area with plenty of water and soap or mild detergent, 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: 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
NA	No explosion hazard.

Extinguishing media:

Water spray ☒ CO₂ ☒ 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: Use water spray to cool containers exposed to fire.

Conditions to avoid: Heat, sparks, open flame and other sources of ignition.

Hazardous combustion products: Carbon monoxide and carbon dioxide. When heating above 205°C it may produce toxic fumes including sulfur oxides and hydrogen sulfide.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions

Gloves ☒ Latex Goggles ☒ Boots ☒ Coat ☐ Other ☐

Emergency Procedures in case of release or spillage:

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 and dispose of according to all local regulations. Wash area with 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:

Use absorbent material and collect in closed non-metal containers, wash with plenty water, and conduct to sanitary treatment facility.

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.

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

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

Hazardous Ingredients Chemical/Common Name	CAS Number	ACGIH TLV	OSHA PEL/NIOSH REL
Dodecylbenzenesulfonic acid	27176-87-0	TLV: Not estab.	ND
Sodium borate / Borax	1330-43-4	TLV-TWA: 5mg/m ³	ND
Sodium hydroxide / Caustic soda	1310-73-2	TLV-ceiling: 2 mg/m ³	PEL-TWA: 2 mg/m ³ REL-ceiling: 2 mg/m ³

Appropriate engineering controls:

Eye 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:	Clear liquid		
Color and odor:	Violet and characteristic floral scent.		
Boiling point (°C):	ND	Melting or freezing point:	NA
Flash point (°C):	NA	Decomposition temperature:	ND
Fire point (°C):	NA	Auto ignition temperature (°C):	NA
Density (g/ml):	1.020 – 1.040	Vapor density:	ND
Molecular weight:	NA	Volatility:	NA
Percent volatile 100°C:	ND	Vapor pressure (mmHg @ 20°C):	ND
Lower explosion limit (%):	NA	Upper explosion limit (%):	NA
pH:	7.5 – 8.5	Viscosity (cPs):	200 - 400
Solubility in water:	Complete	Solubility in others:	ND
Partition coefficient: n-octanol / water	ND	Odor threshold:	ND

SECTION 10 – STABILITY AND REACTIVITY**Reactivity:**

Reacts with bases and oxidants to produce sulfur oxides.

Chemical stability:Stable ☒ Unstable ☐
Under recommended storage conditions**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:

It may produce carbon dioxide and carbon monoxide. When heating above 205°C it may produce toxic fumes including sulfur oxides and hydrogen sulfide. Reacts with bases and oxidants to produce sulfur oxides, causing toxic hazard.

Hazardous polymerization:Will not occur ☒May occur ☐**SECTION 11 – TOXICOLOGICAL INFORMATION****Information on the likely routes of exposure**

Contact via	Acute	Chronic
Ingestion	Abdominal pain. Burning sensation. Shock or collapse.	May cause severe burns.
Inhalation	Burning sensation. Cough. Labored breathing. Shortness of breath. Sore throat.	NA
Skin	May cause irritation or burning pain.	NA
Eyes	May cause irritation, pain, deep burns and photophobia.	Causes eye irritation.

Symptoms:

Burning of eyes and/or skin, sore throat.

Chronic effects from short and long-term exposure:Carcinogenic ☐Mutagenic ☐Theratogenic ☐Included in ☐
NOM 010
STPSIncluded 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
Dodecylbenzenesulfonic acid	500 mg/kg	Rat
Sodium borate	2660 mg/kg	Rat
Sodium hydroxide	Not available	Not available

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: No information available

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 non-metal 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 XV – 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: dodecylbenzene-sulfonic acid and sodium hydroxide.
Clean Water Act:	Pennsylvania Hazardous Substance List:
Contains dodecylbenzenesulfonic acid (RQ = 1,000 lb/45.4 kg) which is a section 311 material and sodium hydroxide (RQ = 1000 lb/454 kg) which is a Section 301, 307 and 311 material..	This product contains the following components subject to reporting requirements: dodecylbenzene-sulfonic acid, sodium borate and sodium hydroxide.
Clean Air Act:	Massachusetts Substance List:
Contains dodecylbenzenesulfonic acid which is a section 111 material.	This product contains the following components subject to reporting requirements: dodecylbenzene-sulfonic acid, sodium borate and sodium hydroxide.
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: dodecylbenzene-sulfonic acid and sodium hydroxide.
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: dodecylbenzene-sulfonic acid and sodium hydroxide.
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	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:
21/Mar/2013	22/May/2015	22/May/2017	L.Q.I. Flavio Jauregui Aguirre

DISCLAIMER

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