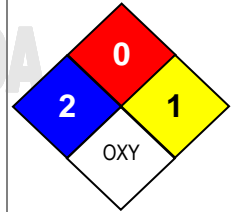




Industrias AIEn  
Research & Development  
Safety Data Sheet





SAP Code

SDS FP-6050246

SECTION 1 – IDENTIFICATION

Manufacturer <b>ALEN DEL NORTE S.A. DE C.V.</b>	Mexico emergency telephone <b>01 800 834 33 00</b>	Fax <b>+52 (81) 81221099</b>
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 <b>CLOALEN STAIN REMOVER &amp; COLOR PROTECTION</b>		
Chemical Name Peroxide hydrogen solution	CAS Number NA	
Synonyms/Trade Names NA		
Application Non-Chlorine Laundry Stain Remover	Restrictions on use This product is not intended for industrial uses or as a sanitizing agent.	

SECTION 2 – HAZARDS IDENTIFICATION

<b>Classification:</b> Skin Irritation Cat. 2 Eye Irritation Cat. 2/2A Oxidizing Liquid Cat. 3  This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).	
<b>Signal word:</b>	<b>Warning</b>
<b>Hazard Statements:</b>	<b>H315 Causes skin irritation</b> <b>H319 Causes serious eye irritation</b> <b>H272 May intensify fire; oxidizer</b>
<b>Pictograms:</b>	 

Precautionary Statements	
<p>❖ <b>Prevention:</b> Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Wear protective gloves, protective clothing, face and eye protection. Wash hands thoroughly after handling. Do not breathe vapors.</p>	<p>❖ <b>Storage:</b> Store locked up. Keep out of reach of children. Keep containers closed when not in use. Store in a cool, dry area. Keep away from heat, sparks and open flame. Keep from freezing.</p>
<p>❖ <b>Response:</b> IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. If wearing contact lenses, remove after 5 minutes and continue rinsing for 10-15 minutes. IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. IF SWALLOWED: Get prompt medical attention. Give a glassful of water. Do not induce vomiting. IF INHALED: Remove to fresh air. If not breathing, give artificial respiration.</p>	<p>❖ <b>Disposal:</b> Dispose in accordance with all applicable local, state and federal regulations.</p>
<p><b>Hazard not otherwise classified:</b> Peroxide hydrogen in the product may cause skin irritation or skin whitening after prolonged contact with full-strength product.</p>	<p><b>Unknown Toxicity:</b> Less than 0.5% of ingredients have unknown toxicity.</p>

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients Chemical/Common Name	Composition Range	CAS Number
H <sub>2</sub> O <sub>2</sub> / Hydrogen Peroxide	1.0 – 4.0	7722-84-1
H <sub>3</sub> PO <sub>4</sub> / Phosphoric Acid	< 0.2	7664-38-2
CH <sub>3</sub> COOH / Acetic acid, glacial	< 0.2	64-19-7

### SECTION 4 – FIRST-AID MEASURES

For treatment advice, call a Poison Control Center or a doctor.

Ingestion	<ul style="list-style-type: none"> <li>▪ If only small amounts have been ingested give a glass of water or milk to drink.</li> <li>▪ For large ingestions consider nasogastric aspiration of the stomach contents.</li> <li>▪ Apply other supportive measures as indicated by the patient's clinical condition.</li> <li>▪ Get immediate medical attention.</li> </ul>
Inhalation	<ul style="list-style-type: none"> <li>▪ Remove patient from exposure.</li> <li>▪ Ensure a clear airway and adequate ventilation.</li> <li>▪ Give oxygen to symptomatic patients.</li> <li>▪ Apply other supportive measures as indicated by the patient's clinical condition.</li> <li>▪ Get medical attention.</li> </ul>
Skin	<ul style="list-style-type: none"> <li>▪ Remove patient from exposure.</li> <li>▪ Remove all soiled clothing.</li> <li>▪ Wash thoroughly the skin with tepid water for at least 10-15 minutes.</li> <li>▪ Apply a soothing cream if there is any residual skin irritation.</li> </ul>
Eyes	<ul style="list-style-type: none"> <li>▪ Remove patient from exposure.</li> <li>▪ Remove contact lenses if necessary and immediately irrigate the affected eye thoroughly with water or 0.9% saline for at least 10-15 minutes.</li> <li>▪ Patients with corneal damage or those whose symptoms do not resolve rapidly should seek medical advice.</li> <li>▪ Get medical attention.</li> </ul>

<b>Most important symptoms and effects:</b> Burning of eyes and/or skin	<b>Indication of any immediate medical attention and special treatment needed:</b> Treat symptomatically. Can cause corneal burns. Probable mucosal damage may contraindicate the use of gastric lavage.
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### SECTION 5 – FIRE-FIGHTING MEASURES

Flash Point (°C)	Test method
NA	NA
Flammability	Explosive limits in air
Not combustible	No explosion hazard.
Extinguishing media:	
Water spray <input checked="" type="checkbox"/>	CO <sub>2</sub> <input checked="" type="checkbox"/> Foam <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Unusual fire and explosion hazards	
Risk of fire and explosion on contact with heat or metal catalysts.	
Special protective equipment	
Full breathing apparatus and fire-fighting equipment. Neoprene gloves, goggles, boots.	
Special firefighting procedures	
In case of fire in the surroundings: water in large amounts, water spray. Keep containers cool by spraying with water.	
Conditions to avoid	
Acts as oxidizer with combustible material and may cause ignition.	
Hazardous combustion products	
NA	

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Protective equipment:</b>				
Gloves <input checked="" type="checkbox"/> Neoprene	Goggles <input checked="" type="checkbox"/>	Boots <input checked="" type="checkbox"/>	Coat <input checked="" type="checkbox"/> Resistant	Other <input checked="" type="checkbox"/> Liquid-tight chemical protective clothing in combination with self-contained open circuit positive pressure compressed air breathing apparatus
<b>Emergency Procedures in case of release or spillage:</b>				
Large spills: Wear protective equipment, remove sources of ignition and combustible material, and wash away the material. Do NOT use combustible absorbents like saw dust. Wash area with water because the surface may be slippery.				
Small spills: Wash area with plenty of water and dispose the material in accordance with all local, state and federal regulations. Avoid contact with sodium hypochlorite solutions. Avoid contact with skin, eyes and clothing.				
Environmental precautions: Do not allow product to enter lakes, rivers or streams. The product may be harmful to aquatic life with long lasting effects.				
<b>Methods and Materials for Containment and Cleaning up:</b>				
Use non-combustible absorbent material like sand and collect in closed containers, wash with plenty water, and conduct to sanitary treatment facility.				

## SECTION 7 – HANDLING AND STORAGE

**Precautions for safe handling:** Prevent generation of mists. Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid contact with sodium hypochlorite solutions and other strong bases. Do not eat, drink, or smoke when using the product.

**Recommendations on the conditions for safe storage:** Store locked up. Keep out of reach of children. Keep containers closed when not in use. Store in a cool, dry area. Keep away from heat, sparks and 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
H <sub>2</sub> O <sub>2</sub> / Hydrogen Peroxide	7722-84-1	TLV-TWA: 1 ppm.	PEL-TWA: 1 mg/m <sup>3</sup> REL-TWA: 1 ppm
H <sub>3</sub> PO <sub>4</sub> / Phosphoric Acid	7664-38-2	TLV-TWA: 1 mg/m <sup>3</sup> TLV-STEL: 3 mg/m <sup>3</sup>	PEL-TWA: 1 mg/m <sup>3</sup> PEL-STEL: 3 mg/m <sup>3</sup>
CH <sub>3</sub> COOH / Acetic acid, glacial	64-19-7	TLV-TWA: 10 ppm TLV-STEL: 15 ppm	PEL-TWA: 25 mg/m <sup>3</sup>

**Appropriate engineering controls:**

Eye-washers, Showers

Ventilation requirements

General ventilation  Local ventilation  Unnecessary in normal cond.

**Work practices:** Handle according to good industrial hygiene and safety practices.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid		
Color and odor:	Light green and characteristic fresh 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):	1.012 – 1.019	Vapor density:	ND
Molecular weight:	NA	Volatility:	NA
Percent volatile 100°C:	NA	Vapor pressure (mmHg @ 20°C):	ND
Lower explosion limit (%):	NA	Upper explosion limit (%):	NA
pH:	3.0 – 4.0	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:**

Reacts with alkaline products. Reacts with sodium hypochlorite solutions and may release chlorine gas.

**Chemical stability:**

Stable  Unstable   
Under recommended storage conditions

**Possibility of hazardous reactions:**

Many reactions may cause fire or explosion. It reacts with effervescence in contact with alkaline substances.

**Conditions to avoid:**

It may become unstable at high temperatures (above 45°C).

**Incompatible materials:**

None  Water  Acids  Alkalis  Oxide  Other   
known

Hypochlorite solutions  
Reducing agents  
Metal catalysts

**Hazardous decomposition products:**

Not known

**Hazardous polymerization:**

Will not occur  May occur

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Information on the likely routes of exposure**

Contact via	Acute	Chronic
<b>Ingestion</b>	May cause mild to moderate irritation to intestinal mucous.	NA
<b>Inhalation</b>	None under normal use conditions.	Inhalation of mists may cause sore throat, cough and headache.
<b>Skin</b>	May cause irritation on skin.	May cause white spots or redness after prolonged contact.
<b>Eyes</b>	Causes eye irritation.	May cause eye burns and blurred vision.

**Symptoms:**

May cause irritation on skin, eye redness or burning.

**Chronic effects from short and long-term exposure:**

Carcinogenic  Mutagenic  Theratogenic  Included in  Included in   
NOM 010 other references  
STPS

**National Toxicology Program (NTP) Report on Carcinogens:** Not listed.

**International Agency for Research on Cancer (IARC) Monographs:** Group 3 – Not classifiable as to Carcinogenicity to Humans.

**OSHA:** Not otherwise listed.

Complementary information		
Chemical Name	LD50 Oral	Animal Species
Hydrogen peroxide	801 mg/kg	Rat

### SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** May be harmful to aquatic life with long lasting effects. Do not allow product to enter lakes, rivers or streams.

**Persistence and degradation in environment:** Information not available.

**Test of bioaccumulation:** Information not available.

**Other adverse effects:** Information not available.

### SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste disposal methods:**

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

<b>RCRA (40 CFR 261, Subpart D):</b>	<b>New Jersey Right to Know Hazardous Substance List:</b>
Not applicable.	This product contains the following components subject to reporting requirements: hydrogen peroxide, phosphoric acid and acetic acid.
<b>Clean Water Act:</b>	<b>Pennsylvania Hazardous Substance List:</b>
Contains phosphoric acid which is a 301, 307, and 311 material. RQ=5000 lb/2270Kg	This product contains the following components subject to reporting requirements: hydrogen peroxide, phosphoric acid and acetic acid.
<b>Clean Air Act:</b>	<b>Massachusetts Substance List:</b>
Not applicable.	This product contains the following components subject to reporting requirements: hydrogen peroxide, phosphoric acid and acetic acid.

<b>SARA Sections 301-304 (Threshold Planning Quantity - TPQ) 40 CFR 355:</b>	<b>State Of Illinois Substance List:</b>
Not applicable.	This product contains the following components subject to reporting requirements: hydrogen peroxide, phosphoric acid and acetic acid.
<b>SARA Section 313 (Toxic Chemical Release Reporting) 40 CFR 372:</b>	<b>Michigan Critical Materials Register:</b>
Not applicable.	Not applicable.
<b>CERCLA Section 102 (Reportable Quantity - RQ):</b>	<b>Canada (WHMIS) - listed material:</b>
Not applicable.	This product contains the following components subject to reporting requirements: hydrogen peroxide, phosphoric acid and acetic acid.
<b>California Proposition 65 Carcinogens and reproductive toxins:</b>	<b>TSCA Section 8(b) Inventory Status:</b>
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 <b>2</b>	A	Safety glasses.
Flammability <b>0</b>	B	Safety glasses, gloves.
Physical Hazard <b>1</b>	C	Safety glasses, gloves, protective apron.
Personal Protection <b>B</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.
<b>NFPA Aerosol Level:</b> NA		
NA: Not Applicable TLV: Threshold Limit Values ND: Not Determined		

Creation date:	Last revision date:	Next revision date:	Created by:
12/Oct/2012	08/May/2015	08/May/2017	Gerardo Urbina Pacheco

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