



**INDUSTRIAS AIE n  
RESEARCH & DEVELOPMENT**

**MATERIAL SAFETY DATA SHEET**

HAZARD RATINGS	
HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
SPECIFIC	OXY

**SECTION I. GENERAL DATA**

COMPANY <b>ALEN DEL NORTE S. A. DE C. V.</b>	MEXICO EMERGENCY TELEPHONE <b>01 800 834 33 00</b>	FAX <b>01 812 210 96 X1106</b>
ADDRESS Blvd Díaz Ordaz No. 1000, Los Treviño, Santa Catarina, C.P. 66350, N.L. México	CHEMTREC EMERGENCY INFORMATION TELEPHONE (US) <b>For domestic shipments 800 424 9300</b> <b>For shipments outside US 703 527 3887</b>	

**SECTION II. PRODUCT DATA**

PRODUCT NAME  <b>CLORALEX BATHROOMS</b>	
CHEMICAL NAME <b>sodium Hypochlorite solution</b>	CAS NUMBER <b>NA</b>
SYNONYMS/ TRADE NAMES <b>Carrel-Drakin solution</b>	
APPLICATION <b>Cleaner with Bleach.</b>	

**SECTION III. COMPOSITION / INGREDIENTS INFORMATION**

HAZARDOUS INGREDIENTS	% P / P	CAS NUMBER	PERMISSIBLE UPPER LIMIT CPT/CCT/ P ( ppm)	SPECIAL HAZARDS
<b>Sodium hypochlorite</b>	<b>3.25</b>	<b>7681529</b>	<b>1 ppm</b>	<b>NA</b>

**SECTION IV. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	<b>clear liquid</b>		
COLOR AND ODOR:	<b>light yellow and characteristic odor</b>		
BOILING POINT ( °C ):	<b>NA</b>	MELTING O FREEZING POINT:	<b>NA</b>
FIRE POINT ( ° C ):	<b>NA</b>	AUTO IGNITION TEMPERATURE (°C):	<b>NA</b>
DENSITY (g/ml):	<b>1.030 -1.050</b>	VAPOR DENSITY:	<b>ND</b>
MOLECULAR WEIGHT:	<b>NA</b>	VOLATILITY:	<b>NA</b>
PERCENT WATER (%p/p) :	<b>93 -93.8</b>	VAPOR PRESSURE ( mmHg a 37.3°C):	<b>ND</b>
LOWER EXPLOSION LIMIT (%):	<b>NA</b>	UPPER EXPLOSION LIMITY (%):	<b>NA</b>
PH:	<b>12.5 - 13.5</b>	VISCOSITY (cps):	<b>NA</b>
SOLUBILITY IN WATER:	<b>soluble</b>		
SOLUBILITY IN OTHERS:	<b>ND</b>		

**SECTION V. FIRE FIGHTING MEASURES**

FLASH POINT °C <b>NA</b>	TEST METHOD <b>NA</b>
EXTINGUISHING MEDIA: WATER FOG <input type="checkbox"/>	CO2 <input type="checkbox"/>
<b>NA</b>	FOAM <input type="checkbox"/>
	OTHER <input type="checkbox"/>
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>Fire fighters should wear self - contained breathing apparatus.</b>	
SPECIAL FIRE FIGHTING PROCEDURES <b>ND</b>	
CONDITIONS TO AVOID <b>NA</b>	

HAZARDOUS COMBUSTION PRODUCTS

NA

**SECTION VI. REACTIVITY INFORMATION**

STABILITY:

STABLE

UNSTABLE

CHEMICAL TO AVOID

NONE

WATER

ACIDS

ALKALIS

OXID

OTHER

Metals

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

MAY OCCUR ( CONDITION TO AVOID )

HAZARDOUS COMBUSTION PRODUCTS

Chlorine gas

WILL NOT OCCUR

MAY OCCUR ( CONDITION TO AVOID )  Contact with acidic products

**SECTION VII. POTENTIAL HEALTH EFFECTS**

**A. HEALTH EFFECTS**

	ACUTE	CHRONIC
INGESTION	Causes burns, abdominal cramps, nausea and vomiting.	NA
INHALATION	Irritation	NA
SKIN	Irritation	NA
EYES	Irritation	NA

HAZARDS

CARCINOGENIC

MUTAGENIC

THERATOGENIC

INCLUDED IN NOM 010 STPS

INCLUDED IN OTHER REFERENCES

NA

COMPLEMENTARY INFORMATION

TEST	RESULTS	ANIMAL SPECIES
ND		

INGESTION	Do not induce vomit, drink large quantities of water and call a physician
INHALATION	Get fresh air, give oxygen or apply artificially.
SKIN	Wash off skin with water. Remove contaminated clothing .
EYES	Flush eyes immediately with plenty of water for at least 15 minutes. Call a physician if necessary

**SECTION VIII. SPILL AND DISPOSAL INFORMATION**

STEPS TO BE TAKEN IN CASE OF SPILLAGE OR RELEASE

Large spills: Try to pick up most of the spilled material to avoid damage to soils and environmental pollution, use absorbent material like sand or saw dust, collect in closed containers, wash area with plenty of water  
Small spills: Use absorbent material like sand or saw dust, wash area with plenty of water.

PERSONAL PROTECTION EQUIPMENT

GLOVES   
latex

GOGGLES

BOOTS

COARSE   
Resistant

OTHER   
Gas mask

WASTE DISPOSAL METHODS

Dispose of waste in accordance with all local, state and federal regulations.

**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   
Resistant

OTHER

**SECTION X. TRANSPORT INFORMATION**

DOT/TDG: Consumer Commodity, ORM-D

**SECTION XI. ECOLOGICAL INFORMATION**

NA

**SECTION XII. SPECIAL PRECAUTIONS**

HANDLING AND STORAGE PRECAUTIONS

Do not mix with acidic or ammonia products because it will produce toxic fumes

Store in a fresh and ventilated area (25 °C)

OTHERS

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REVISED BY:  
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