



**INDUSTRIAS AlEn
RESEARCH & DEVELOPMENT**

MATERIAL SAFETY DATA SHEET

HAZARD RATINGS	
HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
SPECIFIC	OXY

SECTION I. GENERAL DATA

COMPANY ALen U.S.A.	TELEPHONE (832) 484-1508	FAX (832) 484 1180
ADDRESS 9326 Baythorne Dr., Houston, TX 77041.	CHEMTREC EMERGENCY INFORMATION TELEPHONE For domestic shipments (800) 424 9300 For shipments outside US (703) 527 3887	

SECTION II. PRODUCT DATA

PRODUCT NAME CLORALEX LEMON BLEACH	CAS NUMBER 7681529
CHEMICAL NAME sodium Hypochlorite solution	
SYNONYMS/ TRADE NAMES Carrel-Drakin solution	
APPLICATION Bleach	

SECTION III. COMPOSITION / INGREDIENTS INFORMATION

HAZARDOUS INGREDIENTS	% P / P	CAS NUMBER	PERMISSIBLE UPPER LIMIT CPT/CCT/ P (ppm)	SPECIAL HAZARDS
Sodium hypochlorite	5.25	7681529	1 ppm	NA

SECTION IV. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	clear liquid		
COLOR AND ODOR:	light yellow and characteristic odor		
BOILING POINT (° C):	NA	MELTING O FREEZING POINT:	NA
FIRE POINT (° C):	NA	AUTO IGNITION TEMPERATURE (°C):	NA
DENSITY (g/ml):	1.09 -1.11	VAPOR DENSITY:	19.2
MOLECULAR WEIGHT:	74.45	VOLATILITY:	NA
PERCENT WATER (%p/p) :	88 - 89.5	VAPOR PRESSURE (mmHg a 37.3°C):	16
LOWER EXPLOSION LIMIT (%):	NA	UPPER EXPLOSION LIMITY (%):	NA
PH:	12.8 - 13.6	VISCOSITY (cps):	NA
SOLUBILITY IN WATER:	soluble		
SOLUBILITY IN OTHERS:	NA		

SECTION V. FIRE FIGHTING MEASURES

FLASH POINT °C NA	TEST METHOD NA
EXTINGUISHING MEDIA:	
WATER FOG <input type="checkbox"/>	CO2 <input type="checkbox"/>
FOAM <input type="checkbox"/>	OTHER <input type="checkbox"/>
NA	
UNUSUAL FIRE AND EXPLOSION HAZARDS NA	
SPECIAL FIRE FIGHTING PROCEDURES NA	

CONDITIONS TO AVOID
NA

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
latexGOGGLES BOOTS COARSE
ResistantOTHER
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
latexGOGGLES BOOTS COARSE
ResistantOTHER **SECTION X. TRANSPORT INFORMATION**

NA

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

CREATION DATE:

December 16, 2004

REVISION DATE:

June 21, 2005

REVISED BY:

L.Q.I. Flavio Jauregui Aguirre.