

ALDON CORPORATION -- SODIUM HYPOCHLORITE SOLUTION -- 6810-00-598-7316

===== Product Identification =====

Product ID:SODIUM HYPOCHLORITE SOLUTION

MSDS Date:11/02/1992

FSC:6810

NIIN:00-598-7316

MSDS Number: BYRRM

=== Responsible Party ===

Company Name:ALDON CORPORATION

Address:1533 W. HENRIETTA RD.

City:AVON

State:NY

ZIP:14414

Country:US

Info Phone Num:716-226-6177

Emergency Phone Num:800-424-9300 CHEMTREC

Preparer's Name:ALEXANDER A. PICCIRILLI

CAGE:6V042

=== C

Contractor Identification ===

Company Name:AL-DON CHEMICALS INC

Address:1533 W HENRIETTA RD

Box:City:AVON

State:NY

ZIP:14414-9508

Country:US

Phone:716-226-6177

CAGE:6V042

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM HYPOCHLORITE (CERCLA)

CAS:7681-52-9

RTECS #:NH3486300

Fraction by Wt: 5%

Other REC Limits:NONE RECOMMENDED

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 95%

Other REC Limits:NONE

## RECOMMENDED

### ===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: HARMFUL IF VAPORS INHALED;  
CAUSES RESPIRATORY IRRITATION. CONTACT WITH SKIN & EYES MAY CAUSE  
IRRITATION. HARMFUL IF SWALLOWED. CHRONIC: PROLONGED EXPOSURE MAY  
CAUSE PULMONARY EDEMA.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%

OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALED-COUGHING, SNEEZING, SHORTNESS OF  
BREATH. SKIN-IRRITATION. EYES-IRRITATION. INGESTED-NONE STATED,  
HARMFUL.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

### ===== First Aid Measures =====

First Aid:EYES-FLUSH WITH WATER FOR 15 MINUTES, LIFT LIDS. GET  
IMMEDIATE MEDICAL ATTENTION. SKIN-FLUSH WITH WATER THEN WASH WITH  
MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. ADMINISTER OXYGEN  
OR ARTIFICIAL RESPIRATION AS NEEDED. GET MEDICAL ATTENTION.  
INGESTED-DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE 1-2 GLASSES  
WATER. GET IMMEDIATE MEDICAL ATTENTION.

### ===== Fire Fighting Measures =====

Flash Point:NON-COMBUSTIBLE  
Extinguishing Media:WATER ON FIRES INVOLVING SODIUM HYPOCHLORITE.  
Fire Fighting Procedures:IN FIRE CONDITIONS, WEAR SELF-CONTAINED  
BREATHING APPARATUS AND FULL PROTECTIVE GEAR. SEE 1990 EMERGENCY  
RESPONSE GUIDEBOOK, P 5800.5, GUIDE PAGE NO.60.  
Unusual Fire/Explosion Hazard:WHEN HEATED TO TEMPERATURE OF  
DECOMPOSITION, EMITS TOXIC FUMES OF CHLORINE. CONTACT WITH  
HYDROCHLORIC ACID LIBERATES CHLORINE GAS.

### ===== Accidental Release Measures =====

Spill Release Procedures:DILUTE WITH LARGE AMOUNT OF WATER AND FLUSH  
DOWN THE DRAIN.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

### ===== Handling and Storage =====

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Handling and Storage Precautions:STORE IN A COOL, DRY PLACE AND PROTECT FROM SUNLIGHT. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. WASH THOROUGHLY AFTER HANDLING.

Other Precautions:AVOID CONTACT WITH SKIN, EYES, AND MUCOUS MEMBRANES. REMOVE AND WASH CLOTHING. FOR LABORATORY USE ONLY. NOT FOR FOOD, DRUG OR HOUSEHOLD USE. KEEP OUT OF REACH OF CHILDREN. DO NOT WEAR CONTACT LENSES WHEN USING THIS PRODUCT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE NORMALLY REQUIRED. IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CF R 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER.

Eye Protection:CHEMICAL SAFETY GLASSES W/SIDE SHIELDS.

Other Protective Equipment:SMOCK, APRON, GOGGLES, PROPER GLOVES, VENTILATION HOOD, EYE WASH STATION.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:B3

Boiling Pt:=100.C, 212.F

Melt/Freeze Pt:=0.C, 32.F

Decomp Temp:=100.C, 212.F

Vapor Pres:14

Vapor Density:2.58

Spec Gravity:1.07

Evaporation Rate & Reference:>1 (ETHER=1)

Solubility in

Water:COMPLETE

Appearance and Odor:PALE, YELLOWISH, CLEAR LIQUID; ODOR OF HYPOCHLORITE.

Percent Volatiles by Volume:95

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

DO NOT MIX WITH ACIDS, OXIDIZABLE MATERIALS, AMMONIA.

Stability Condition to Avoid:DIRECT SUNLIGHT, HIGH TEMPERATURES.

Hazardous Decomposition Products:CHLORINE GIVEN OFF ON CONTACT WITH ACIDS. THERMAL DECOMPOSITION MAY PRODUCE HYDROGEN CHLORIDE GAS.

Condition

s to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO LOCAL, STATE AND FEDERAL REGULATIONS. FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.

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