

## ALL PURE CHEMICAL COMPANY -- SODIUM HYPOCHLORITE 5.25% (BLEACH) -- 6810-00-900-6276

## ===== Product Identification =====

Product ID:SODIUM HYPOCHLORITE 5.25% (BLEACH)  
MSDS Date:11/01/1990  
FSC:6810  
NIIN:00-900-6276  
MSDS Number: CKBWN  
=== Responsible Party ===  
Company Name:ALL PURE CHEMICAL COMPANY  
Address:1660 W. LINNE ROAD  
City:TRACY  
State:CA  
ZIP:95376  
Country:US  
Info Phone Num:209-835-5423  
Emergency Phone Num:(800)424-9300  
Preparer's Name:NOT PROVIDED.  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:TO498

=== Contractor Identification ===  
Company Name:ALL PURE CHEMICAL COMPANY  
Address:1660 W. LINNE ROAD  
Box:City:TRACY  
State:CA  
ZIP:95376  
Country:US  
Phone:209-835-5423  
CAGE:TO498  
Company Name:TELECHEM INTERNATIONAL, INC  
Address:524 E WEDDELL DRIVE SUITE 3  
Box:City:SUNNYVALE  
State:CA  
ZIP:94089-2115  
Country:US  
Phone:916-941-3688  
Contract Num:SP0450-00-M-D481  
CAGE:1KH20  
Company Name:TELECHEM INTERNATIONAL, INC  
Address:524 E WEDDELL DRIVE SUITE 3  
Box:City:SUNNYVALE  
State:CA  
ZIP:94089-2115  
Country:US  
Phone:916-941-3688  
Contract Num:SP0450-00-M-SA53  
CAGE:1KH20

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

Ingred Name:SODIUM HYPOCHLORITE  
CAS:7681-52-9  
RTECS #:NH3486300  
= Wt:5.25  
Other REC Limits:2 MG/M3 C; MSDS  
OSHA PEL:NOT PROVIDED.  
ACGIH TLV:NOT PROVIDED.

EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:SODIUM HYDROXIDE  
CAS:1310-73-2  
RTECS #:WB4900000  
= Wt:1.  
Other REC Limits:NOT PROVIDED.  
OSHA PEL:2 MG/M3  
ACGIH STEL:C2 MG/M3  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM CHLORIDE  
CAS:7647-14-5  
RTECS #:VZ4725000  
Minumum % Wt:0.  
Maxumum % Wt:10.  
Other REC Limits:NOT PROVIDED.  
OSHA PEL:NOT PROVIDED.  
ACGIH TLV:NOT PROVIDED.

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: BALANCE  
Other REC Limits:NOT PROVIDED.  
OSHA PEL:NOT ESTABLISHED.  
Code:F  
ACGIH TLV:NOT ESTABLISHED.  
Code:F

===== Hazards Identification =====

LD50 LC50 Mixture:NOT PROVIDED.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:THIS PRODUCT IS HARMFUL IF INHALED,  
INGESTED/ CONTACTED BY SKIN/EYES. INHALATION: IRRITATING TO NOSE,  
THROAT AND LUNG, BURNS TO RESPIRATORY TRACT CAUSING LUNG EDEMA,  
SHORTNESS OF BREATH, WHEEZING, CHO CKING, CHEST PAIN. REPEATED  
EXPOSURE CAN CAUSE IMPAIRMENT OF LUNG FUNCTION AND PERMANENT LUNG  
DAMAGE. SKIN CONTACT: CAN CAUSE BURNS AND/OR IRRITATION, REDNESS,  
SWELLING. EYE CONTACT: WILL IRRITATE EY ES AND MAY ALSO CAUSE BURNS  
AND CORNEAL DAMAGE. INGESTION: IRRITATION AND/OR BURNS CAN OCCUR TO  
THE ENTIRE GASTROINTESTINAL TRACT. SYMPTOMS ARE CHARACTERIZED BY  
NAUSEA, VOMITING, DIARRHEA, ABDOMINAL P AIN, BLEEDING, AND/OR  
TISSUE ULCERATION.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: IRRITATING TO NOSE, THROAT AND  
LUNG, BURNS TO RESPIRATORY TRACT CAUSING LUNG EDEMA, SHORTNESS OF  
BREATH, WHEEZING, CHOCKING, CHEST PAIN. REPEATED EXPOSURE CAN CAUSE  
IMPAIRMENT OF LUNG FUNC TION AND PERMANENT LUNG DAMAGE. SKIN  
CONTACT: CAN CAUSE BURNS AND/OR IRRITATION, REDNESS, SWELLING. EYE  
CONTACT: WILL IRRITATE EYES AND MAY ALSO CAUSE BURNS AND CORNEAL  
DAMAGE. INGESTION: IRRITATION AND/OR BURNS CAN OCCUR TO THE ENTIRE  
GASTROINTESTINAL TRACT. SYMPTOMS ARE CHARACTERIZED BY NAUSEA,  
VOMITING, DIARRHEA, ABDOMINAL PAIN, BLEEDING, AND/OR TISSUE  
ULCERATION.

Medical Cond Aggravated by Exposure:ASTHMA, RESPIRATORY AND

## CARDIOVASCULAR DISEASES

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

First Aid:INGESTION: DO NOT INDUCE VOMITING. IMMEDIATELY GIVE LARGE QUANTITIES OF WATER. IF VOMITING OCCURS, GIVE FLUID AGAIN. CALL A PHYSICIAN IMMEDIATELY. SKIN CONTACT: IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND SHOES UNDER A SAFETY SHOWER. FLUSH AFFECTED AREAS FOR AT LEAST 15 MINUTES. DO NOT NEUTRALIZE WITH CHEMICALS. OBTAIN MEDICAL ATTENTION AS SOON AS POSSIBLE. EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR A MINIMUM OF 15 MINUTES WHILE HOLDING EYELIDS APART. OBTAIN MEDICAL ATTENTION AS SOON AS POSSIBLE. INHALATION: IMMEDIATELY REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. KEEP PERSON WARM AND CONTACT A PHYSICIAN.

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

Fire Fighting Procedures:USE WATER TO COOL CONTAINERS EXPOSED TO A FIRE. DRY CHEMICAL, CARBON DIOXIDE, OR WATER SPRAY CAN BE USED ON SMALL FIRE. WATER SPRAY ON A LARGE FIRE.  
Unusual Fire/Explosion Hazard:HAZARDOUS CHLORINE CAN BE FORMED IN CASE OF A FIRE - USE PERSONAL PROTECTIVE EQUIPMENT.

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

Spill Release Procedures:USE SELF-CONTAINED BREATHING APPARATUS (SCBA), BOOTS, GLOVES (NEOPRENE, BUTYL RUBBER, VITON), HARD HAT AND IMPERVIOUS CLOTHING. VAPORS MAY BE SUPPRESSED BY THE USE OF A WATER FOG AND WATER RUN OFF SHOULD BE CAPTURED FOR TREATMENT. DIKE OR CONTAIN USING SAND, CLAY, SOIL. USE VACUUM OR PUMP TO REMOVE IF A WATER RELEASE AND TREAT BEFORE DISPOSAL.  
Neutralizing Agent:DILUTE ACID.

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

Handling and Storage Precautions:STORE IN VENTED, CLOSED, CLEAN, NON-CORROSIVE CONTAINERS IN A COOL, DRY, WELL VENTILATED LOCATION, AWAY FROM DIRECT SUNLIGHT AND INCOMPATIBLES. DO NOT STORE AT TEMPERATURES ABOVE 60-70F (15-21C). THIS PRODUCT HAS A SHELF LIFE OF UP TO SIX MONTHS AT 60F OR LOWER.  
Other Precautions:NOT PROVIDED.

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

Respiratory Protection:DUE TO LOW VOLATILITY AND TOXICITY, A RESPIRATOR IS NOT NORMALLY NEEDED. HOWEVER, IF VAPORS, MISTS, OR AEROSOLS ARE GENERATED, WEAR A NIOSH/MSHA APPROVED RESPIRATOR.  
Ventilation:LOCAL EXHAUST VENTILATION IF VAPORS, MISTS, OR AEROSOLS ARE PRESENT. IF THESE ARE NOT PRESENT, USE GENERAL EXHAUST VENTILATION.  
Protective Gloves:IMPERMEABLE GLOVES  
Eye Protection:CHEMICAL SAFETY GOGGLES  
Other Protective Equipment:RUBBER APRON  
Work Hygienic Practices:NOT PROVIDED.  
Supplemental Safety and Health  
NONE

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

HCC:B1

NRC/State Lic Num:NOT RELEVANT.  
Boiling Pt:B.P. Text:DECOMPOSES  
Melt/Freeze Pt:M.P/F.P Text:NO DATA  
Decomp Temp:Decomp Text:NOT PROVIDED.  
Vapor Pres:NO DATA  
Spec Gravity:1.09 @ 20 DEG C  
pH:11 @ 25 DEG C  
Viscosity:NOT PROVIDED.  
Evaporation Rate & Reference:NOT PROVIDED.  
Solubility in Water:MISCIBLE  
Appearance and Odor:LIGHT GREENISH-YELLOW LIQUID, CHLORINE-LIKE ODOR  
Corrosion Rate:NOT PROVIDED.

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

Stability Indicator/Materials to Avoid:YES  
THIS PRODUCT IS INCOMPATIBLE WITH IRON, COPPER, ACIDS AMMONIUM  
COMPOUNDS, HYDROCARBON, ALCOHOLS, ETHERS, ORGANICS, OTHER  
OXIDIZERS. IT WILL REACT VIOLENTLY WITH PHENYL ACATONITRILE,  
CELLULOSE, ETHYLENE  
Stability Condition to Avoid:SODIUM HYPOCHLORITE, UNDER THE PROPER  
CONDITION IS STABLE, HOWEVER, IT MAY BECOME UNSTABLE WHEN SUBJECTED  
TO HIGH HEAT, SUNLIGHT OR ULTRA-VIOLET LIGHT.  
Hazardous Decomposition Products:OXYGEN EVOLUTION.

===== Toxicological Information =====

Toxicological Information:OSHA PEL: CEILING 2 MG/M3.

===== Ecological Information =====

Ecological:NOT PROVIDED.

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

Waste Disposal Methods:AS NONHAZARDOUS LIQUID WASTE, IT SHOULD BE  
DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL  
REGULATIONS BY TREATMENT IN A WASTEWATER TREATMENT SYSTEM. PREVENT  
ENVIRONMENTAL CONTAMINATION. THE USER OF THIS PRODUCT HAS THE  
RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND  
CONTAINERS I N COMPLIANCE WITH ALL RELEVANT LAWS.

===== MSDS Transport Information =====

Transport Information:HYPOCHLORITE SOLUTION, 8, UN1791, PG III.  
REPORTABLE QUANTITY (RQ): 100 LBS.

===== Regulatory Information =====

SARA Title III Information:NOT PROVIDED.  
Federal Regulatory Information:THIS PRODUCT IS LISTED ON THE TOXIC  
SUBSTANCE CONTROL ACT (TSCA).  
State Regulatory Information:CALIFORNIA PROPOSITION 65 - NO LISTED  
CHEMICALS.

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