

JAMES AUSTIN COMPANY -- AUSTIN A-1 BLEACH SODIUM HYPOCHLORITE SOLUTION. --
6810-00-598-7316

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

Product ID:AUSTIN A-1 BLEACH SODIUM HYPOCHLORITE SOLUTION.

MSDS Date:02/24/1998

FSC:6810

NIIN:00-598-7316

Status Code:A

MSDS Number: CLBVR

=== Responsible Party ===

Company Name:JAMES AUSTIN COMPANY

Address:DOWNIEVILLE ROAD

Box:827

City:MARS

State:PA

ZIP:16046

Country:U

S

Info Phone Num:412-625-1535

Emergency Phone Num:(800)424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:62316

=== Contractor Identification ===

Company Name:JAMES AUSTIN COMPANY

Address:DOWNIEVILLE ROAD

Box:827

City:MARS

State:PA

Country:US

Phone:412-625-1535

CAGE:62316

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

Ingred Name:SODIUM HYPOCHLORITE

CAS:7681-52-9

RTECS #:NH3486300

Minimum % Wt:5.25

Maxumum % Wt:5.5

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:SODIUM H

YDROXIDE
CAS:1310-73-2
RTECS #:WB4900000
Minumum % Wt:.1
Maxumum % Wt:.22
OSHA PEL:2 MG/M3 CEILING
ACGIH TLV:2 MG/M3 CEILING
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Health Hazards Acute and Chronic:IRRITANT; MAY CAUSE SEVERE SKIN AND EYE IRRITATION OR CHEMICAL BURNS TO BROKEN SKIN. VAPORS EXTREMELY IRRITATING TO EYES AND RESPIRATORY TRACT. HARMFUL AND POTENTIALLY FATAL IF SWALLOWED. IF MIXED WIT H OTHE PROHIBITE

D CHEMICALS OR

MATERIALS, CHLORINE GAS WILL BE RELEASED WHICH IS ALSO IRRITATING TO EYES, LUNGS MUCOUS MEMBRANES AND IN SOME CASES BE FATAL.

Explanation of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z.

Effects of Overexposure:INGESTION: CAN CAUSE CORROSION OF MUCOUS MEMBRANES, SEVERE ESOPHAGEAL BURNS AND PERFORATION OF ESOPHAGUS OR STOMACH. IN

HALATION: INHALATION OF VAPORS CAN CAUSE BRONCHIAL IRRITATION, COUGHING, DIFF ICULTY IN BREATHING, NAUSEA AND PULMONARY EDEMA. EYE CONTACT: IRRITATING TO THE EYES, MAY CAUSE SEVERE AND PERMANENT DAMAGE. SKIN CONTACT: SEVERE IRRITATING; CONTACT CAN PRODUCE BLISTERING AND ECZEMA.

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

First Aid:INGESTION:DO NOT INDUCE VOMITING.IMMEDIATELY DRINK LARGE QUANTITY OF WATER/MILK.DO NOT GIVE LIQUIDS IF VICTIM IS

UNCONSCIOUS.DO NOT USE ACIDIC ANTIDOTES/SODIUM BICARBONATE(BAKING SODA).DO NOT ADMINISTER ALCOHOL.CALL PHYSICIAN/POISON CONTROLCENTER IMMEDIATELY.INHALATION:IF EXPOSED TO EXCESSIVE VAPOR LEVELS,REMOVE TO FRESH AIR&SEEK MEDICAL ATTENTION IF COUGH/OTHER SYMPTOMS DEVELOP.EYE:IMMEDIATELY FLUSH EYE W/PLENTY OF COOL,RUNNING WATER.REMOVE CONTACT LENSES IF COUGH OR OTHER SYMPTOMS DEVELOP.SKIN:FLUSH AFFECTED AREA W/COPIOUS AMOUNTS OF WATER&WASH W/SOAP&WATER.

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

Extinguishing Media:IF INVOLVED IN A FIRE, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL OR WATER FOG. USE EXTINGUISHING MEDIA THAT IS APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:AVOID FUMES FROM SPILLED OR EXPOSED LIQUID. FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING AND OSHA/NIOSH SELF-CONTAINED BREATHING APPARATUS. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY FROM A SAFE DISTANCE.

Unusual Fire/E

xplosion Hazard:SODIUM HYPOCHLORITE BLEACH IS A STRONG OXIDIZING AGENT AND DECOMPOSES WHEN HEATED. DECOMPOSITION PRODUCTS MAY CAUSE CONTAINERS TO EXPLODE. VIGOROUS REACTIONS MAY OCCUR WITH ORGANIC MATERIALS OR OXID IZABLE MATERIALS, CAUSING FIRES.

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

Spill Release Procedures:DILUTE PRODUCT BY FLOODING AREA WITH LARGE QUANTITY OF WATER AND FLUSH TO SANITARY SEWER. LARGE SPILLS: CONTAIN RUN-OFF DIKING WITH SU ITABLE MATERIAL. SOAK UP LIQUID ON INERT ABSORBENT AND TRANSFER TO APPROVED CONTAINER. PREVENT SPILL FROM ENTERING SEWER OR WATERWAYS.

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

Other Precautions:

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

Respiratory Protection:NOT NORMALLY NECESSARY; USE NIOSH APPROVED RESPIRATOR FOR CONCENTRATED VAPORS.

Ventilation:USE LOCAL VENTILATION TO REMOVE VAPORS AT THE SOURCE.

Protective Gloves:REQUI

RED; USE IMPERVIOUS PVC OR NEOPRENE WITH LONG GAUNTLET.

Eye Protection:GOGGLES OR FACE SHIELD

Other Protective Equipment:FACILITIES USING THIS PRODUCT MUST BE EQUIPPED WITH AN EYEWASH STATION.

Work Hygienic Practices:AVOID BREATHING VAPORS. DO NOT STORE NEAR FOOD STUFFS, WATER OR FEED. PROTECT EYES, SKIN AND CLOTHING FROM CONTACT WITH THIS PRODUCT. *

Supplemental Safety and Health

GOGGLES SHOULD BE CHEMICAL SPLASH TYPE. FACE SHIELD IS BEST CHOICE. APRON: RECOMMENDED TO AVOI

D SKIN CONTACT AND PROTECT CLOTHING FROM
DAMAGE.

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

Boiling Pt:=100.C, 212.F
B.P. Text:212F
Melt/Freeze Pt:=-2.2C, 28.F
M.P/F.P Text:28F
Vapor Pres:1705 MM HG@20 C
Spec Gravity:1.080
pH:12.0-12.8
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR PALE YELLOW LIQUID.

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

Stability Indicator/Materials to Avoid:YES
NEVER MIX SOLUTIONS CONTAINING AMMONIA. IN
COMPATIBILITY: ACIDS,
AMMONIA, ETHER, UREA, OXIDIZABLE MATERIALS, SOAPS, OILS, GREASES,
PHENOLIC DISINFECTANTS AND METALS(INCLUDING NICKEL, COPPER, TIN,
ALUMINUM AND IRON).
Stability Condition to Avoid:HEAT OR DIRECT SUNLIGHT; TEMPERATURES
ABOVE 85F.
Hazardous Decomposition Products:CHLORINE GAS-FROM CONTACT WITH HIGHLY
ACIDIC MATERIALS. CHLORAMINES-FROM CONTACT WITH AMMONIA.
POLYCHLORINATED PHENOLS-FROM CONTACT WITH PHENOLIC DISINFECTANTS.

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

Toxicological Information:IF IRRITATION DEVELOPS OR PERSISTS, GET
MEDICAL ATTENTION. REMOVE CLOTHING AND WASH BEFORE REUSE. NOTE:
INFORMATION PERTAINING TO INGESTION TOXICOLOGY, THERAPY,
SYMPTOMOLOGY AND TREATMENT CAN BE FOUND IN CLINICAL TOXICOLOGY OF
COMMERCIAL PRODUCTS, AUTHORED BY GOSSELIN, SMITH AND HODGE AND
PUBLISHED BY WILLIAMS & WILKINS, BALTIMORE MARYLAND.

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

Ecological:CONSIDERED TO BE BIODEGRADIBLE.*BOOTS: RECOMMENDED TO PROTECT SHOES AND FEET WHEN USING PRODUCT FOR FLOOR CLEANING.

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

Waste Disposal Methods:

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

Transport Information:DOT PROPER SHIPPING NAME: HYPOCHLORITE SOLUTION.
HAZARD CLASS: 8. UN-NUMBER: 1791. PACKAGE GROUP: III.
LABEL/PLACARD: CORROSIVE. RQ: SODIUM HYPOCHLORITE 100LBS. (45.4
KG).

===== Other Information =====

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