

Safety Information

MSDS

[TOP](#)

MSDS Date:

06/11/1998

MSDS Num:

CKRDL

Submitter:

D DG

Tech Review:

07/17/2000

Status CD:

A

Product ID:

54200-00015, AUSTIN A-1 BLEACH

MFN:

01

Article:

N

Kit Part:

N

Cage:

Responsible Party

TO855

Name:

JAMES AUSTIN COMPANY

Address:

115 DOWNIEVILLE ROAD

City:

MARS

State:

PA

Zip:

16046

Country:

US

Info Phone Number:

724-625-1535

Emergency Phone Number:

800-228-5635 X234

Resp. Party Other MSDS No.:

54200-00015

Radioactive Ind:

N

Chemtrec IND/Phone:

(800)424-9300

Proprietary Ind:

N

Review Ind: Y

Published: Y

Special Project CD:

Summary

Contractor

[TOP](#)

Cage:

TO855

Name:

JAMES AUSTIN COMPANY

Address:

115 DOWNIEVILLE ROAD

City:

MARS

State:

PA

Zip:

16046

Country:

US

Phone:

724-625-1535

Ingredients

[TOP](#)

Cas: 7681-52-9

T

NH3486300

T

Code:

RTECS #:

Code:

Name: SODIUM HYPOCHLORITE

5.29

M

5.4

M

% low Wt:

Code:

% high Wt:

Code:

Environmental Wt:

Other REC Limits: N/P

OSHA PEL:

N/P

Code:

OSHA N/P STEL:

Code:

ACGIH TLV: N/P

Code:

ACGIH N/P STEL:

Code:

EPA Rpt Qty: 100 LBS

DOT 100 LBS Rpt Qty:

Ozone Depleting Chemical:

N

Cas: 1310-73-2

T

WB4900000

T

Code:

RTECS #:

Code:

Name: SODIUM HYDROXIDE

.03

M

.22

M

% low Wt:

Code:

% high Wt:

Code:

Environmental Wt:

Other REC Limits: N/P

OSHA PEL:

2 MG/M3

Code: T

OSHA N/P STEL:

Code:

ACGIH TLV: NOT ESTABLISHED

Code: T

ACGIH C2 MG/M3 STEL:

Code: T

EPA Rpt Qty: 1000 LBS

DOT 1000 LBS Rpt Qty:

Ozone Depleting Chemical:

N

Health

[TOP](#)

Hazards Data

LD50 LC50 Mixture

NONE PROVIDED BY MFR.

Route Of Entry Inds – Inhalation:N/P

Skin:N/P

Ingestion:N/P

Carcinogenicity Inds – NTP:NO

IARC:N/P

OSHA:NO

Health Hazards Acute And Chronic

INGESTION: CAN CAUSE CORROSION OF MUCOUS MEMBRANES, SEVERE ESOPHAGEAL BURNS & PERFORATION OF ESOPHAGUS OR STOMACH. INHALATION: INHALATION OF VAPORS CAN CAUSE BRONCHIAL IRRITATION, COUGHING, DIFFICULTY IN BREATHING, NAUSEA & PULMONARY EDEMA. EYE: IRRITATING TO THE EYES; MAY CAUSE SEVERE & PERMANENT DAMAGE. SKIN: SEVERE IRRITANT; CONTACT CAN PRODUCE BLISTERING & ECZEMA.

Explanation Of Carcinogenicity

THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS & OSHA 29 CFR 1910, Z

Signs And Symptoms Of Overexposure

INGESTION: CAN CAUSE CORROSION OF MUCOUS MEMBRANES, SEVERE ESOPHAGEAL BURNS & PERFORATION OF ESOPHAGUS OR STOMACH. INHALATION: INHALATION OF VAPORS CAN CAUSE BRONCHIAL IRRITATION, COUGHING, DIFFICULTY IN BREATHING, NAUSEA & PULMONARY EDEMA. EYE: IRRITATING TO THE EYES; MAY CAUSE SEVERE & PERMANENT DAMAGE. SKIN: SEVERE IRRITANT; CONTACT CAN PRODUCE BLISTERING & ECZEMA.

Medical Cond Aggravated By Exposure

NONE PROVIDED BY MFR.

First Aid

INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. IMMEDIATELY DRINK A LG QUANTITY OF WATER OR MILK. DO NOT GIVE LIQUIDS IF VICTIM IS UNCONSCIOUS. DO NOT USE ACIDIC ANTIDOTES OR SODIUM BICARBONATE (BAKING SODA). DO NOT ADMINISTER ALCOHOL. CALL A PHYSICIAN OR POISON CONTROL CENTER. INHALATION: IF EXPOSED TO EXCESSIVE VAPOR LEVELS, REMOVE TO FRESH AIR & SEEK MEDICAL ATTENTION OF COUGH OR OTHER SYMPTOMS DEVELOP. EYE: IMMEDIATELY FLUSH EYE WITH PLENTY OF COOL, RUNNING WATER. REMOVE CONTACT LENSES IF APPLICABLE, & CONTINUE FLUSHING FOR AT LEAST 15 MINS. GET MEDICAL ATTENTION IMMEDIATELY.

Spill Release Procedures

SM SPILL: DILUTE PRODUCT BY FLOODING AREA WITH LG QUANTITY OF WATER & FLUSH TO SANITARY SEWER. LG SPILL: CONTAIN RUN-OFF BY DIKING WITH SUITABLE MATERIAL. SOAK UP LIQUID ON INERT ABSORBENT & TRANSFER TO APPROVED CONTAINER. PREVENT SPILL FROM ENTERING SEWERS OR WATERWAYS.

Neutralizing Agent

NONE PROVIDED BY MFR.

### Waste Disposal Methods

IF IN ACCORDANCE WITH NPDES PERMIT OR APPROVED BY LOCAL SEWAGE TREATMENT PLANT AUTHORITY, SM AMOUNTS MAY BE FLUSHED TO A SANITARY SEWER WITH PLENTY OF WATER. LG AMOUNTS OF UNUSED PRODUCT MUST BE DISPOSED OF AS A HAZARDOUS WASTE AT AN APPROVED HAZARDOUS WASTE MANAGEMENT FACILITY.

### Handling And Storage Precautions

USE PERSONAL PROTECTIVE EQUIP & WEAR SUITABLE CHEMICAL-RESISTANT CLOTHING. KEEP CONTAINER TIGHTLY CLOSED. FOLLOW LABEL DIRECTIONS CLOSELY. STORE UPRIGHT IN A COOL (BELOW 85 DEG F), DRY, WELL VENTILATED AREA. KEEP AWAY FROM HEAT OR DIRECT SUNLIGHT. SEPARATE FROM INCOMPATIBLE MATERIALS.

### Other Precautions

PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

### Explosion Hazard Information

Fire and

[TOP](#)

Flash Point Method:

N/A

Flash Point:

Flash Point Text: NONE

Autoignition Temp:

Autoignition Temp Text: NONE

Lower Limits: N/A

Upper Limits: N/A

### 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 & OSHA/NIOSH SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY FROM A SAFE DISTANCE.

### Unusual Fire/Explosion Hazard

SODIUM HYPOCHLORITE BLEACH IS A STRONG OXIDIZING AGENT & DECOMPOSES WHEN HEATED. DECOMPOSITION PRODUCTS MAY CAUSE CONTAINERS TO EXPLODE. VIGOROUS REACTIONS MAY OCCUR WITH ORGANIC MATERIALS OR OXIDIZABLE MATERIALS, CAUSING FIRES.

Measures

Control

[TOP](#)

### Respiratory Protection

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

Ventilation

USE LOCAL VENTILATION TO REMOVE VAPORS AT THE SOURCE.

Protective Gloves

IMPERVIOUS PVC OR NEOPRENE WITH LONG GAUNTLET

Eye Protection

CHEMICAL SPLASH TYPE. FACE SHIELD IS THE BEST CHOICE

Other Protective Equipment

FACILITIES USING THIS PRODUCT MUST BE EQUIPPED WITH AN EYEWASH STATION. APRON RECOMMENDED TO AVOID SKIN CONTACT PROTECT CLOTHING. BOOTS RECOMMENDED TO PROTECT SHOES FEET WHEN CLEANING FLOOR.

Work Hygienic Practices

AVOID BREATHING VAPORS. DO NOT STORE NEAR FOOD STUFFS, WATER OR FEED. PROTECT EYES, SKIN CLOTHING FROM CONTACT WITH THIS PRODUCT.

Supplemental Safety and Health

NONE PROVIDED BY MFR.

Physical/Chemical Properties

[TOP](#)

HCC:

B3

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point: =100.C, 212.F

B.P. Text:

Melt/Freeze Pt: =-2.2C, 28.F

M.P/F.P Text:

Decomp Temp:

Decomp Text: NONE PROVIDED BY MFR.

Vapor Pres: 17.5 MM HG @ 20 DEG C

Vapor Density: N/A

Volatile Org Content %:  
VOC Pounds/Gallon:

Spec Gravity: 1.080

PH: 11.5 TO 12.5

VOC Grams/Liter:

Viscosity: NONE PROVIDED BY MFR.

Evaporation Rate & Reference: NOT APPLICABLE

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR PALE YELLOW LIQUID, CHLORINE ODOR

Percent Volatiles by Volume: NONE PROVIDE

Corrosion Rate: NONE PROVIDED BY MFR

Reactivity Data

[TOP](#)

Stability Indicator:

YES

Stability Condition To Avoid: HEAT OR DIRECT SUNLIGHT; TEMPERATURES ABOVE 85 DEG F. NEVER MIX WITH SOLUTIONS CONTAINING AMMONIA.

Materials To Avoid: ACIDS, AMMONIA, ETHER, UREA, OXIDIZABLE MATERIALS, SOAPS, OILS, GREASES, PHENOLIC DISINFECTANTS METALS (INCLUDING NICKEL, COPPER, TIN, ALUMINUM IRON)

Hazardous Decomposition Products: CHLORINE GAS – FROM CONTACT WITH HIGHLY ACIDIC MATERIALS. CHLORAMINES – FROM CONTACT WITH AMMONIA. POLYCHLORINATED PHENOLS – FROM CONTACT WITH PHENLIC DISINFECTANTS.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization WILL NOT OCCUR

Toxicological Information

[TOP](#)

Toxicological Information:

ACUTE: TOXICITY ARISES FROM CORROSIVE ACTIVITY; STEMS FROM OXIDIZING POTENCY, A FUNCTION OF CONCENTRATION. CHRONIC: NOT DETERMINED.

Ecological Information

[TOP](#)

Ecological:

CONSIDERED BIODEGRADABLE. BOD/COD VALUE: NOT ESTABLISHED. ECOTOXICITY: NO DATA AVAILABLE.

MSDS Transport

[TOP](#)

Information

Transport Information:

HYPOCHLORITE SOLUTION , HAZARD CLASS 8, UN1791, PACKING GROUP III, CORROSIVE. RQ: SODIUM HYOPCHLORITE, 100 LBS (45.4 KG). EXCEPTIONS: CONSUMER COMMODITY,

Regulatory Information

[TOP](#)

Sara Title III Information:

N/A

Federal Regulatory Information: EPA REGISTERED (UNDER FIFRA): 1672-20004 REGISTRATION NUMBER (REGULAR-NON SCENTED ITEM ONLY)

State Regulatory Information: N/P

Other Information

[TOP](#)

Other Information:

APPROVED SPECIFICATIONS: FEDERAL SPECIFICATION O-S-602E, COMMERCIAL ITEM DESCRIPTION A-1427C.

Information

HMIS Transportation

[TOP](#)

Responsible Party Cage:

TO855

Trans ID NO: 154113

Product ID: 54200-00015, AUSTIN A-1 BLEACH

MSDS Prepared Date: 06/11/1998

Review Date: 07/17/2000

MFN: 1

Submitter: D DG

Status CD: A

Article W/O MSDS N

Tech Entry NOS Shipping Nm:

Radioactivity:

Form:

Net Explosive Weight:

Coast Guard AMMO Code:

Magnetism:

Net Unit Weight: N/K

AF MMAC Code:

DOD Exemption NUM:

Limited Quantity IND: N

Multiple KIT Number: 0

Kit IND: N

Kit Part IND: N

Review IND: N

Unit Of Issue: CY

Container QTY: N/K

Type Of Container: CYLINDER

Additional Data:

----- Detail DOT Information -----

[TOP](#)

DOT PSN Code:

HNU

Symbols:

DOT Proper Shipping Name: HYPOCHLORITE SOLUTION

DOT PSN Modifier:

Hazard Class: 8 UN UN1791  
ID  
Num:

DOT Packaging Group: III

Label: 8

Special Provision: B104,N34,T7

Packaging Exception: 154

Non Bulk Pack: 203

Bulk Pack: 241

Max Qty Pass: 5 L

Max Qty 60 L  
Cargo:

Vessel Stow Req: B

Water/Ship/Other Req: 26

----- Detail IMO Information -----

[TOP](#)

IMO PSN Code:

IKL

IMO Proper Shipping Name: HYPOCHLORITE SOLUTION

IMO PSN Modifier:

IMDG Page Number: 8186

UN Number: 1791

UN Hazard Class: 8

IMO Packaging Group: II/III



Subsidiary Risk Label: –

EMS Number: 8–08

MED 741  
First  
Aid  
Guide  
NUM:

----- Detail IATA Information -----

[TOP](#)

IATA PSN Code:

NYC

IATA UN ID NUM: 1791

IATA Proper Shipping Name: HYPOCHLORITE SOLUTION +

IATA PSN Modifier:

IATA UN Class Subsidiary  
Risk  
Class:

IATA Label: CORROSIVE

UN Packing Group: III

Packing 819  
Note  
Passenger:

Max Quant Pass: 5L

Max Quant 60L  
Cargo:

Packaging Note Cargo: 821

Exceptions:

----- Detail AFI Information -----

[TOP](#)

AFI PSN Code:

NYC

AFI Symbols:

AFI Proper Shipping Name: HYPOCHLORITE SOLUTIONS

AFI PSN Modifier: WITH MORE THAN 5% BUT LESS THAN 16% AVAILABLE  
CHLORINE

AFI Hazard Class: 8

AFI UN ID NUM: UN1791

AFI Packing Group: III

AFI Label:

Special Provisions: P5, N34

Back Pack Reference: A12.3

----- HAZCOM Label -----

HMIS

[TOP](#)

[Print Labels](#)

**Product ID:**

**54200-00015, AUSTIN A-1 BLEACH**

**Cage:** TO855

**Assigned IND:** Y

**Company Name:**

JAMES AUSTIN COMPANY

**Street:** 115 DOWNIEVILLE ROAD

**PO Box:**

**City:**

MARS

**State:** PA

**Zipcode:** 16046

**Country:** US

**Health Emergency Phone:**

800-228-5635 X234

**Label Required IND:**

Y

**Date Of Label Review:** 07/17/2000

**Status Code:** A

**MFG Label NO:**

**Label Date:**

**Year Procured:**

**Origination Code:**

F

**Chronic Hazard IND:** N

**Eye Protection IND:** YES

**Skin Protection IND:** YES

**Signal Word:** WARNING

**Respiratory Protection IND:** NO

**Health Hazard:**

Moderate

**Contact Hazard:** Moderate

**Fire Hazard:**

None

**Reactivity Hazard:** None

**Hazard And Precautions**

TARGET ORGANS: N/P. INGESTION: CAN CAUSE CORROSION OF MUCOUS MEMBRANES, SEVERE ESOPHAGEAL BURNS & PERFORATION OF ESOPHAGUS OR STOMACH. INHALATION: INHALATION OF VAPORS CAN CAUSE BRONCHIAL IRRITATION, COUGHING, DIFFICULTY IN BREATHING, NAUSEA & PULMONARY EDEMA.EYE: IRRITATING TO THE EYES; MAY CAUSE SEVERE & PERMANENT DAMAGE. SKIN: SEVERE IRRITANT; CONTACT CAN PRODUCE BLISTERING & ECZEMA.

=====  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.

