



# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Austin A-1 Bleach Commercial Disinfectant Sanitizer
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PRODUCT CODE	54200-00039
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ISSUE DATE	September 11, 2009
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MANUFACTURER James Austin Company  
STREET ADDRESS 115 Downieville Road  
MAIL ADDRESS PO Box 827  
CITY, STATE, ZIP Mars, PA 16046-0827

### EMERGENCY TELEPHONE NUMBERS

Medical Information: 1-866-359-5662

Transportation: 1-800-424-9300\*

\* For spill, leak, fire or transport accident emergencies.

Product Information: 1-724-625-1535

## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

	CAS No.	% by wt.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NIOSH REL
<b>HAZARDOUS COMPONENT</b>					
Sodium hypochlorite NaOCl	7681-52-9	5.25 – 5.50	None	None	None
<b>NON-HAZARDOUS COMPONENT</b>					
Water H <sub>2</sub> O	7732-18-5	94.5- 94.75	None	None	None

## SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	<b>IRRITANT</b> ; 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 with other prohibited chemicals or materials, chlorine gas will be released which is also irritating to eyes, lungs, mucous membranes and in some cases can be fatal. (see Section 10 for more information)
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<b>POTENTIAL HEALTH EFFECTS</b>	
INGESTION .....	Can cause corrosion of mucous membranes, severe esophageal burns and perforation of esophagus or stomach.
INHALATION .....	Inhalation of vapors can cause bronchial irritation, coughing, difficulty in breathing, nausea and pulmonary edema.
EYE CONTACT .....	Irritating to the eyes; may cause severe and permanent damage.
SKIN CONTACT .....	Severe irritant; contact can produce blistering and eczema.

**SECTION 4 -- FIRST AID MEASURES**

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Do not give liquids if victim is unconscious. Do not use acidic antidotes or sodium bicarbonate (baking soda). Do not administer alcohol. <b>Call a physician or poison control center immediately.</b>
INHALATION	If exposed to excessive vapor levels, remove to fresh air and seek medical attention if cough or other symptoms develop.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes. <b>Get medical attention immediately.</b>
SKIN CONTACT	Flush affected skin area with copious amounts of water and wash with soap and water. If irritation develops or persists, get medical attention. Remove clothing and wash before reuse.
NOTE TO PHYSICIAN	Information pertaining to ingestion toxicology, therapy, symptomatology and treatment can be found in <u>Clinical Toxicology of Commercial Products</u> , authored by Gosselin, Smith and Hodge and published by Williams & Wilkins, Baltimore, Maryland. <b>See listing for Hypochlorite in Therapeutics Index, Section III.</b>

**SECTION 5 -- FIRE FIGHTING MEASURES**

FLASH POINT / METHOD	None / N.A.	FLAMMABLE LIMITS	Not flammable or combustible
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.		
SPECIAL 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.		
FIRE AND EXPLOSION HAZARDS	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 oxidizable materials, causing fires.		

**SECTION 6 -- ACCIDENTAL RELEASE MEASURES**

RESPONSE TO SPILLS	Small spills: Dilute product by flooding area with large quantity of water and flush to sanitary sewer. Large spills: Contain run-off by diking with suitable material. Soak up liquid on inert absorbent and transfer to approved container. Prevent spill from entering sewers or waterways.
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**SECTION 7 -- HANDLING AND STORAGE**

HANDLING PRECAUTIONS	Wash after handling and before eating. Use personal protective equipment and wear suitable chemical-resistant clothing. Keep container tightly closed when not in use. Follow label directions closely.
STORAGE PRECAUTIONS	Store upright in a cool (below 85 F), dry, well-ventilated area. Keep away from heat or direct sunlight. Separate from incompatible materials, such as acids, ammonia, soap-based products or organic materials. Protect containers from physical damage. <b>Keep away from children.</b>

**SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION**

HYGIENIC PRACTICES	<b>Avoid breathing vapors.</b> Do not store near food stuffs, water or feed. Protect eyes, skin and clothing from contact with this product.
ENGINEERING CONTROLS	Use local ventilation to remove vapors at the source. <b>Facilities using this product must be equipped with an eyewash station.</b>

**PERSONAL PROTECTIVE EQUIPMENT**

X	<b>RESPIRATOR</b>	Not normally necessary; use NIOSH approved respirator for concentrated vapors
X	<b>GOGGLES / FACE SHIELD</b>	Recommended but not needed. Should be chemical splash type.
X	<b>APRON</b>	Recommended but not needed to avoid skin contact and protect clothing from damage
X	<b>GLOVES</b>	Recommended but not needed, use impervious PVC/Neoprene with long gauntlet
X	<b>BOOTS</b>	Recommended but not needed to protect shoes and feet when using product for floor cleaning

**SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Clear pale yellow liquid	BOILING POINT	212 deg F
ODOR	Chlorine	FREEZING POINT	28 deg F
pH	11.5 - 12.5	VAPOR PRESSURE	17.5 mm Hg @ 20 C
SPECIFIC GRAVITY	1.080	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not applicable

**SECTION 10 -- STABILITY AND REACTIVITY**

CHEMICAL STABILITY	<b>X</b>	<b>STABLE</b>	
<b>CONDITIONS TO AVOID</b>	Heat or direct sunlight; temperatures above 85 F. <b>NEVER mix with solutions containing ammonia.</b>		
INCOMPATIBILITY	Acids, ammonia, ether, urea, oxidizable materials, soaps, oils, greases, phenolic disinfectants and metals (including nickel, copper, tin, aluminum and iron). Hydrogen Peroxide based bleaches or detergents		
HAZARDOUS PRODUCTS OF DECOMPOSITION	Chlorine gas -- from contact with highly acidic materials. Chloramines -- from contact with ammonia. Polychlorinated phenols -- from contact with phenolic disinfectants.		
POLYMERIZATION	<b>X</b>	<b>WILL NOT OCCUR</b>	
<b>CONDITIONS TO AVOID</b>	Not applicable to polymerization		

**SECTION 11 -- TOXICOLOGICAL INFORMATION****CARCINOGENICITY**

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	<b>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</b>

**OTHER EFFECTS**

<b>ACUTE</b>	Toxicity arises from corrosive activity; stems from oxidizing potency, a function of concentration
<b>CHRONIC</b>	Not determined

**SECTION 12 -- ECOLOGICAL INFORMATION**

BIODEGRADABILITY	Yes	CONSIDERED BIODEGRADABLE	Bleach rapidly breaks down into salt & water.
BOD / COD VALUE	Not established		
ECOTOXICITY	No data available		

**SECTION 13 -- DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD	If in accordance with an NPDES permit or approved by local sewage treatment plant authority, small amounts may be flushed to a sanitary sewer with plenty of water. Large amounts of unused product must be disposed of as hazardous waste at an approved hazardous waste management facility.		
RCRA CLASSIFICATION	Hazardous, corrosive D002 (ONLY if pH is equal to or greater than 12.5)		
RECYCLE CONTAINER	X	YES	CODE 2 - HDPE

**SECTION 14 -- TRANSPORT INFORMATION**

DOT CLASSIFICATION	NOT HAZARDOUS
DOT Proper Shipping Name	Not regulated as per DOT / IMDG / IATA
Hazard Class	Not considered for a Hazard Class
Identification Number	Not considered UN 1791
Packing Group	Not applicable
Label/Placard	None
RQ	None
Comments	This product does not meet the chemical testing criteria for CORROSIVE

**SECTION 15 -- REGULATORY INFORMATION****REGULATORY STATUS**

X	EPA REGISTERED (UNDER FIFRA)	1672-20004 Registration Number (Regular-non scented item only)
X	NSF APPROVED	USDA Program For Non-Foods Compounding <White Book>
X	KOSHER	OU (Orthodox Union)
	SARA TITLE III MATERIAL	Bottled product not regulated
	FDA REGULATED	

**SECTION 16 -- OTHER INFORMATION****NFPA CLASSIFICATION****HMIS CLASSIFICATION**

1	BLUE	HEALTH HAZARD	1	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY	0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY	0	YELLOW	REACTIVITY
COR	WHITE	SPECIAL HAZARD	C	WHITE	PROTECTIVE EQUIPMENT

A safety glasses  
D face shield, gloves and an apron  
G safety glasses, a vapor respirator  
J splash goggles, gloves, apron & dust/vapor respirator

B safety glasses and gloves  
E safety glasses, gloves and a dust respirator  
H splash goggles, gloves, apron and a vapor respirator  
K airline hood or mask, gloves, full suit and boots

C safety glasses, gloves and an apron  
F safety glasses, gloves, apron and a dust respirator  
I safety glasses, gloves and a dust/vapor respirator  
L - Z custom PPE specified by employer

**APPROVED SPECIFICATIONS**

Commercial Item Description A-1427C  
Federal Specification O-S-602E

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by James Austin Company in connection with the use of this information.