

Attn: Janet
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10 pages

Aus 360

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Austin A-1 Bleach (Regular, Fresh, Lemon, Floral)

PRODUCT CODE 64200-00015 00021 00024 00025 00035 00040 00044 00045

EMERGENCY TELEPHONE NUMBERS

ISSUE DATE June 11, 1998

MANUFACTURER James Austin Company
STREET ADDRESS 115 Downside Road
CITY, STATE, ZIP Mars, PA 15046

Medical Information (800) 228-5635 x234

Transportation: (800) 424-9300 *

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

Product Information: (724) 625-1535

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt. or by vol.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NIOSH REL
Sodium hypochlorite	7681-52-8	5.29 - 5.4	None	None	None
Sodium hydroxide	1310-73-2	0.03 - 0.22	2 mg/m ³ TWA	2 mg/m ³ ceiling	10 mg/m ³ IDLH 2 mg/m ³ STEL

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW 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 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)

POTENTIAL HEALTH EFFECTS	
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.

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5109 NATIONAL DR., KNOXVILLE, TN 37914

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SECTION 4 - FIRST AID MEASURES

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water or milk. Do not give liquids if victim is unconscious. Do not use acidic antacids or sodium bicarbonate (baking soda). Do not administer alcohol. Call a physician or poison control center immediately.
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. Get medical attention immediately.
SKIN CONTACT 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 <i>Clinical Toxicology of Commercial Products</i> , authored by Gosselin, Smith and Hodge and published by Williams & Wilkins, Baltimore, Maryland. See listing for Hypochlorite in Therapeutics Index, Section III.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT / METHOD	None / N.A.	FLAMMABLE LIMITS	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 fire.		

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. Keep away from children.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Avoid breathing vapors. 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. Facilities using this product must be equipped with an eyewash station.

PERSONAL PROTECTIVE EQUIPMENT

X	RESPIRATOR	Not normally necessary; use NIOSH approved respirator for concentrated vapors
X	GOGGLES / FACE SHIELD	Required; goggles should be chemical splash type. Face shield is best choice
X	APRON	Recommended to avoid skin contact and protect clothing from damage
X	GLOVES	Required; use impervious PVC or Neoprene with long gauntlet
X	BOOTS	Recommended 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	STABLE	X	UNSTABLE
CONDITIONS TO AVOID	Heat or direct sunlight; temperatures above 85 F. NEVER mix with solutions containing ammonia.		
INCOMPATIBILITY	Acids, ammonia, ether, urea, oxidizable materials, soaps, oils, greases, phenolic disinfectants and metals (including nickel, copper, tin, aluminum and iron).		
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	WILL NOT OCCUR	X	MAY OCCUR
CONTINUOUS TOXICITY TO AQUATIC LIFE	Not applicable		

SECTION 11 - TOXICOLOGICAL INFORMATION**CARCINOGENICITY**

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	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 1910.2

OTHER EFFECTS

	Vapors cause non-irritative activity; stems from oxidizing potency, a function of concentration
CHRONIC	Not determined

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SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY	CONSIDERED BIODEGRADABLE ☒ NOT BIODEGRADABLE ☐
BOD / COD VALUE	Not established
ECOTOXICITY	No data available

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	If in accordance with an MSDS panel 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 (if pH is equal to or greater than 12.5)
RECYCLE CONTAINER	YES ☒ NO ☐ CODE 2 - HDPE

DOT CLASSIFICATION	HAZARDOUS ☒ NOT HAZARDOUS ☐
DOT Proper Shipping Name	Hypochlorite Solution
Hazard Class	8
Identification Number	UN 1781
Packing Group	III
Label/Placard	Corrosive
	Sodium Hypochlorite 100 lbs. (45.4Kg)
EXCEPTIONS	Consumer Commodity, ORM-D. Exempted by DOT for containers of 1 gallon or less.

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS	1672-20004 Registration Number (Regular non-scented item only)
☒ EPA REGISTERED (UNDER FIFRA)	
☐ FDA REGULATED	
☐ KOSHER	
☐ BARA TITLE III MATERIAL	
☐ USDA AUTHORIZED	Yes

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION		
2	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
COR	WHITE	SPECIAL HAZARD

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

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 this 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.