Safety Data Sheet

James Austin Company

Austin's A-1 Bleach

SDS Number: 106

Revision Date: 5/28/2015

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

James Austin Company
115 Downieville Road
PO Box 827
Mars, PA 16046

Phone: 724-625-1535
Fax: 724-625-3288
Web: www.jamesaustin.com

Product Name: Austin's A-1 Bleach
Revision Date: 5/28/2015
Version: 1
SDS Number: 106
Common Name: Sodium Hypochlorite
CAS Number: 7681-52-9
Product Code: 54200-00015, 54200-00025, 54200-00035, 54200-00125
RCRA Number: D002 (For pH greater than 12.50)
Chemical Formula: NaOCl
Synonyms: Bleach, Liquid Bleach, Soda Bleach
Internal ID: 90000165, 90000390, 91000362, 90000125

2 HAZARDS IDENTIFICATION

GHS Signal Word:
WARNING

GHS Hazard Pictograms:

GHS Classifications:
Health, Skin corrosion/irritation, 3
Health, Specific target organ toxicity - Single exposure, 3
Environmental, Hazards to the aquatic environment - Acute, 1
Environmental, Hazards to the aquatic environment - Chronic, 4
Health, Serious Eye Damage/Eye Irritation, 2 B

GHS Phrases:
H316 - Causes mild skin irritation
H335 - May cause respiratory irritation
H400 - Very toxic to aquatic life
H413 - May cause long lasting harmful effects to aquatic life
H320 - Causes eye irritation

GHS Precautionary Statements:
P220 - Keep/Store away from clothing/combustible materials.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash exposed skin thoroughly after handling.
P262 - Do not get in eyes, on skin, or on clothing.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P273 - Avoid release to the environment.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.
P401 - Store upright in a cool, dry place.
P501 - Dispose of contents/container to an approved waste disposal plant.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
7681-52-9	5.25-5.40%	Sodium hypochlorite
7732-18-5	94.60-94.75%	Water

4 FIRST AID MEASURES

Inhalation: In the event of exposure to excessive vapor levels, move the individual to fresh air and seek medical attention if symptoms develop or persist.

Skin Contact: Immediately rinse with plenty of water while removing any contaminated clothing. If irritation develops or persists, seek medical attention. Wash contaminated clothing before resuse.

Eye Contact: Rinse immediately with plenty of water. Keep eye(s) wide open while rinsing. Avoid rubbing the affected area. Seek medical attention if needed.

Ingestion: Do NOT induce vomiting. Rinse mouth thoroughly with water. Drink plenty of water. Call a physician or poison control center.

NOTE TO PHYSICIAN:
Probable mucosal damage may contraindicate the use of gastric lavage.

5 FIRE FIGHTING MEASURES

Flammability:	Not flammable
Flash Point:	No information available
Flash Point Method:	No information available
Burning Rate:	No information available
Autoignition Temp:	No information available
LEL:	No information available
UEL:	No information available

Highly exothermic reactions with organic materials and oxidizable materials may cause fires.

In the event of a fire, wear full protective clothing and MSHA/NIOSH self-contained breathing apparatus with a full facepiece operated in the pressure-demand or other positive pressure mode.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment; Water spray may be used to keep fire exposed containers cool.

6 ACCIDENTAL RELEASE MEASURES

Use personal protective equipment as required/recommended. Evacuate public to a safe area. Avoid contact with skin, eyes, and clothing.

Prevent spills from entering sewers or waterways. Contain run-off using diking composed of a suitable material. Soak up liquid on inert absorbant and transfer to an approved container. Clean contaminated surface thoroughly.

7 HANDLING AND STORAGE

Handling Precautions:	Use personal protective equipment as required/recommended. Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Use suitable respiratory equipment in case of inadequate ventilation.
Storage Requirements:	Store using properly labeled containers in a cool, dry, well ventilated area. Keep out of reach of children. Separate from incompatible materials.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use adequate ventilation, especially in confined spaces
Personal Protective Equip:	Chemical splash goggles; Face shield; Neoprene gloves; NIOSH approved respirator; Apron.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear yellow		
Physical State:	Liquid	**Odor:**	Pungent; Chlorine
Spec Grav./Density:	1.070 - 1.080	**Solubility:**	Completely miscible in water
pH:	12-13		

10 STABILITY AND REACTIVITY

Stability:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Conditions to Avoid:	Contact with incompatible materials. Excessive heat and exposure to light. Reacts violently with strong acids producing chlorine gas. Contact with amines will result in chloramines.
Materials to Avoid:	Strong oxidizing agents, acids, metals, organic compounds, ammonia. Oxidizable or combustible materials.
Hazardous Decomposition:	None under normal processing.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Toxicity Data:

Eye Effects: Causes eye burns.
Skin Effects: Causes skin burns.
Acute Inhalation Effects: Vapors and mist may irritate throat and respiratory system; may cause coughing.
Chronic Effects: Prolonged or repeated overexposure may cause lung damage.
Carcinogenicity: Not a known carcinogen.
Mutagenicity: Not Known.
Teratogenicity: Not Known.

Acute Toxicity:

Oral (LD 50): No data available

Inhalation (LC 50): No data available

Skin irritation: Causes severe skin burns and eye damage

Eye irritation: Causes serious eye damage

Sensitation: No data available

Chronic Toxicity: IARC Group 3; Not classifiable as a human carcinogen

12 ECOLOGICAL INFORMATION

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a national pollutant discharge elimination system (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your state water board or regional office of the EPA.

13 DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable regional, national, and local laws and regulations.
Do not reuse container.

14 TRANSPORT INFORMATION

DOT: Not regulated. Classified as non-hazardous.

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

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*Sodium hypochlorite (7681529 5.25-5.40%) CERCLA, CSWHS, MASS, PA, TSCA

*Water (7732185 94.60-94.75%) TSCA

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act

OSHAWAC = OSHA Workplace Air Contaminants
TXAIR = TX Air Contaminants with Health Effects Screening Level

16 OTHER INFORMATION

Author: James Austin Company

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Revision Note: MSDS converted to GHS SDS format

Disclaimer: James Austin Company provides this information without warranty. The information is believed to be accurate, but James Austin Company makes no representations as to its accuracy. The information should be used to make an independant determination and therefore, users are responsible to verify this data under their own operating conditions and methods. This information relates only to the product designated herein, and does not relate to its use in combination with other materials or processes.