

Austin's Sodium Hypochlorite

SDS Number: 82

Revision Date: 5/28/2015

Page 1 of 6

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 Sodium Hypochlorite
Revision Date: 5/28/2015
Version: 1
SDS Number: 82
Common Name: Sodium Hypochlorite
CAS Number: 7681-52-9
EPA Number: 1672-20001
RCRA Number: D002
Chemical Formula: NaOCl
Synonyms: Bleach, Liquid Bleach, Soda Bleach, Pool Shock
Internal ID: 90800120, 90980620

Emergency phone number: CHEMTREC
US: 1-800-424-9300 **Canada:** 1-800-567-7455
Poison Control Center: 1-800-222-1222

2 HAZARDS IDENTIFICATION

GHS Signal Word:
DANGER

GHS Hazard Pictograms:



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

GHS Phrases:
H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage



Austin's Sodium Hypochlorite

SDS Number: 82

Revision Date: 5/28/2015

Page 2 of 6

- H318 - Causes serious eye damage
- H335 - May cause respiratory irritation
- H400 - Very toxic to aquatic life
- H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

- P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+340 - IF INHALED: 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.

- P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
- P264 - Wash exposed skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.
- P273 - Avoid release to the environment.
- P220 - Keep/Store away from clothing/combustible materials.
- P262 - Do not get in eyes, on skin, or on clothing.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P370+378 - In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam to extinguish.
- 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	12.50 - 12.70%	Sodium hypochlorite
7732-18-5	87.30 - 87.50%	Water

4 FIRST AID MEASURES

- Inhalation:** Move to fresh air. Call a physician or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Skin Contact:** Immediately rinse with plenty of water while removing any contaminated clothing.
- Eye Contact:** Rinse immediately with plenty of water. Keep eye(s) wide open while rinsing. Avoid rubbing the affected area.
- 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.



Austin's Sodium Hypochlorite

SDS Number: 82

Revision Date: 5/28/2015

Page 3 of 6

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
Spec Grav./Density: 1.200 - 1.250
pH: 12-14

Odor: Pungent; Chlorine
Solubility: Completely miscible in water



Austin's Sodium Hypochlorite

SDS Number: 82

Revision Date: 5/28/2015

Page 4 of 6

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 causes 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.



Austin's Sodium Hypochlorite

SDS Number: 82

Revision Date: 5/28/2015

Page 5 of 6

13 DISPOSAL CONSIDERATIONS

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the EPA Regional Office for guidance.

Do not re-use or refill this container. Triple rinse container promptly after emptying.

14 TRANSPORT INFORMATION

DOT Class: Corrosive (8) #8
UN #: UN 1791, Class: 8, Proper Shipping Name: Hypochlorite solutions

EXCEPTION:

Limited Quantity, ORM-D
Exempted by DOT for containers of 5 Liters or less

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Sodium hypochlorite (7681529 12.50-12.70%) CERCLA, CSWHS, MASS, PA, TSCA

*Water (7732185 87.30-87.50%) 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

OSHA WAC = OSHA workplace Air Contaminants
TXAIR = TX Air Contaminants with Health Effects Screening Level

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Precautionary Statements
Hazards to Humans and Domestic Animals

DANGER

CORROSIVE. May cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin or clothing. Wear safety glasses or goggles and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated. Remove and wash contaminated clothing before reuse.



Austin's Sodium Hypochlorite

SDS Number: 82

Revision Date: 5/28/2015

Page 6 of 6

Environmental Hazards: This product is toxic to fish and aquatic organisms.

Physical or Chemical Hazards: Strong oxidizing agent. Mix only with water according to label instructions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.), or organic matter (e.g. urine, feces, etc.) will release a chlorine gas, which is irritating to eyes, lungs, and mucous membranes.

16

OTHER INFORMATION

Author: James Austin Company

Publication Date: 12/2/2014

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 independent 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.