

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name Laundry Bleach

Other means of identification

Product Code FM9015

UN/ID No

Recommended use of the chemical and restrictions on use

Recommended use Laundry whitener

Details of the supplier of the safety data sheet

Distributor

Accurate Companies 731 W. Fairmont Dr. Tempe, AZ 85282

Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC: 1-800-424-9300 (NORTH AMERICA)

Company Phone Number 602-996-9191

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Chronic Aquatic Toxicity	Category 1

Label elements

Emergency Overview

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ises severe skin burns and eye damage	





Appearance Transparent Physical state Liquid Odor Chlorine Bleach

Precautionary Statements - Prevention

- Do not breathe dust/fume/gas/mist/vapors/spray
- · Wash face, hands and any exposed skin thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

- IF exposed or concerned: Get medical advice/attention
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Immediately call a POISON CENTER or doctor/physician
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC) Other information

- Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life Unknown Acute Toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight-%	Trade Secret
Sodium hypochlorite	7681-52-9	5.25%	*

^{*}The exact percentage (concentration) of composition has been withheld as a trade secret.

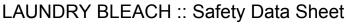
4. FIRST AID MEASURES

First aid measures for different exposure routes

General adviceShow this safety data sheet to the doctor in attendance. Call a poison control center or doctor for treatment advice. Have the product containers or label with you when calling a

poison control center or doctor, or going for treatment.

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Eye contact Hold eye open & rinse with water for 15-20 min. Remove contact lenses, if present, after 5

min, then continue rinsing eyes. Call poison control center or doctor for advice.

Skin contact Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20

minutes. Call a poison control center or doctor for treatment advice.

Inhalation Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give

artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or

doctor for further treatment advice.

Ingestion Call a poison control center or doctor immediately for treatment advice. Have person sip a

glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. .

Protection of First-aidersDo not use mouth-to-mouth method if victim ingested or inhaled the substance; induce

artificial respiration with the aid of a pocket mask equipped with a one-way valve or other

proper respiratory medical device.

Most important symptoms/effects, acute and delayed

Main Symptoms The most important known symptoms and effects are described in the labelling in section 2

and/or in section 11.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.

Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Hazardous Combustion

Products

Decomposition Products: HOCL, Chlorine, HCl, NaCl, sodium chlorate, Oxygen.

Explosion Data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters

Avoid exposure to fumes or vapors.

6. ACCIDENTAL RELEASE MEASURES

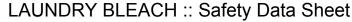
Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal

protective equipment.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.





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Methods and materials for containment and cleaning up

Methods for ContainmentNeutralize with dilute sodium bisulfite.

Methods for cleaning up Mop up & flush neutralized material to sewer with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handlingUse good personal hygiene practices. Wash hands before eating, drinking, smoking, or

using toilet facilities. Wash thoroughly after work using soap and water. Do not eat, drink or

smoke when using this product.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Keep container in cool well-ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children. Do not contaminate water, food or

feed by storage or disposal.

Incompatible products Heavy metals, Ammonia.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Review Section 3 & 4 for Exposure Guidelines.

Appropriate engineering controls

Engineering Measures Ensure adequate ventilation and that running water is available for washing eyes and skin

Individual protection measures, such as personal protective equipment

Eye/Face Protection Splash-proof chemical goggles or face shield.

Skin and body protectionWear appropriate chemical resistant clothing and chemical resistant gloves.

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

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provided in accordance with current local regulations.

Hygiene measures Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical state Liquid

AppearanceTransparentOdorChlorine Bleach

Color Colorless Odor Threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Methods</u>

pH 10.0-12.0

Melting/freezing point No information available

Boiling point/boiling range No information available 220 °F

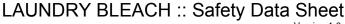
Flash Point No informati on available

Evaporation rate >1.0

Flammability (solid, gas) No information available

Flammability Limits in Air

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Upper flammability limit No information available Lower flammability limit No information available

Vapor pressure50Vapor densityNASpecific Gravity1.20

Water solubility Completely Soluble Solubility in other solvents No information available Partition coefficient: n-octanol/waterNo information available **Autoignition temperature** No information available **Decomposition temperature** No information available No information available Viscosity, kinematic Viscosity, dynamic No information available **Explosive properties** No information available **Oxidizing Properties** No information available

Other information

Softening point
Molecular Weight
VOC Content(%)
No information available
No information available

Density VALUE 10.0 Bulk Density VALUE N/A

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Reacts with acids and ammonia-containing materials to release toxic gases.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Heavy metals, Ammonia.

Hazardous Decomposition Products

Hypochlorous Acid (HOCI), Chlorine, Hydrogen Chloride (HCI), Sodium Chlorate (NaClO4), Oxygen.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Harmful by inhalation, in contact with skin and if swallowed.

Inhalation Corrosive to respiratory system.

Eye contact Corrosive to the eyes and may cause severe damage including blindness.

Skin contact Contact causes severe skin irritation and possible burns.

Ingestion Corrosive - causes severe burns to gastrointestinal tract.

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Sodium hypochlorite	= 8200 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-
7681-52-9			

Information on toxicological effects

Symptoms No information available.



Delayed and immediate effects as well as chronic effects from short and long-term exposure

SensitizationNo information available.Mutagenic effectsNo information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite	-	Group 3	-	-
7681-52-9				

IARC: (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
Chronic toxicity
No information available.
No information available.
No known effect.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 70% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

 ATEmix (oral)
 24600 mg/kg

 ATEmix (dermal)
 30000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

70% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium hypochlorite	0.095: 24 h Skeletonema costatum	0.18 - 0.22: 96 h Oncorhynchus	0.033 - 0.044: 48 h Daphnia magna
7681-52-9	mg/L EC50	mykiss mg/L LC50 static 4.5 - 7.6:	mg/L EC50 Static 2.1: 96 h Daphnia
		96 h Pimephales promelas mg/L	magna mg/L EC50
		LC50 static 0.4 - 0.8: 96 h Lepomis	
		macrochirus mg/L LC50 static 0.28 -	
		1: 96 h Lepomis macrochirus mg/L	
		LC50 flow-through 0.05 - 0.771: 96	
		h Oncorhynchus mykiss mg/L LC50	
		flow-through 0.03 - 0.19: 96 h	
		Oncorhynchus mykiss mg/L LC50	
		semi-static 0.06 - 0.11: 96 h	
		Pimephales promelas mg/L LC50	
		flow-through	

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods Wastes resulting from the use of this product may be disposed of on site or at an approved

waste disposal facility.

Contaminated packaging Non-refillable container. Empty containers should be triple rinsed, then offered for

recycling or reconditioning; or puncture and dispose of in a sanitary landfill. . .



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14. TRANSPORT INFORMATION

Note

Not DOT Regulated DOT

15. REGULATORY INFORMATION

International Inventories

TSCA Complies **DSL/NDSL** Complies **EINECS/ELINCS** Complies

ENCS

Complies **IECSC KECL** Complies **PICCS** Complies Complies AICS

Leaend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

SARA TITLE III (EPCRA) NOTIFICATION: Does not contain chemicals subject to the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION: Sodium Hypochlorite For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

SARA 311/312 Hazard Categories

Acute Health Hazard

Yes



Chronic Health HazardnoFire HazardnoSudden Release of Pressure HazardnoReactive HazardYes

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite 7681-52-9	100 lb	-	-	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium hypochlorite 7681-52-9	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product contains substances regulated by state right-to-know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	
Sodium hypochlorite	X	X	X	
7681-52-9				

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

EPA Statement

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

DANGER: Corrosive. Causes irreversible eye damage and skin burns. Harmful if inhaled, swallowed or absorbed through skin.

16. OTHER INFORMATION

NFPA Health Hazards 2 Flammability 0 Instability 0 Physical and chemical

hazards -

<u>HMIS</u> Health hazard 2 Flammability 0 Physical Hazards 0 Personal protection X

Prepared By Accurate Companies

731 W. Fairmont Dr. Tempe, AZ 85282

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Revision Note

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet