QuicKleen Bleach

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200

Revision Date: 11/20/15

Section 1: Identification

Product Identifier:

Product name: QuicKleen Bleach
Product #: JLQKBL05 / JLQKBL55

Other means of Identification:

Chemical name: Sodium Hypochlorite
CAS-No: 7681-52-9

Recommended Use:

All proper and legal purposes.

Chemical Manufacturer:

Oklahoma Correctional Industries
3402 N. Martin Luther King Ave.
Oklahoma City, Oklahoma 73111
Phone: (405) 964-7220
Fax: (405) 964-7222

Emergency telephone number:

For emergency health, safety, and environmental information: call 1-800-522-3565

Section 2: Hazard(s) Identification

Physical hazards:	Not classified.	
Health hazards:	Acute toxicity, dermal	Category 4
	Skin corrosion/irritation	Category 1A
	Serious eye damage/eye irritation	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
OSHA defined hazards	Not classified.	

Warning label items including precautionary statement:

Pictogram:

Signal words: **DANGER!**

Hazard statement:
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage
H318: Causes serious eye damage
h400: Very toxic to aquatic life
h410: Very toxic to aquatic life with long lasting effects

Precautionary statement:

Prevention:
P260: Do not breathe mist or vapor
P264: Wash hands thoroughly after handling.
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection.

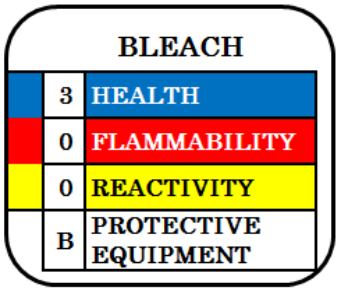
Response:
P301+P330+P331+P310: If swallowed: Rinse mouth. Do not induce vomiting. Immediately call a poison center or doctor/physician.
P303+P361+P353: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338+P310: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
P362: Take off contaminated clothing and wash before reuse.
P391: Collect spillage.

Storage:
P403+P235: Store in a well ventilated place. Keep cool.
P405: Store locked up.

Disposal:
P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Supplemental information: 98.45% of the mixture consists of component(s) of unknown acute dermal toxicity. 11.95% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 11.95% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

Hazards not otherwise classified (HNOC)



Section 3: Composition/Information on Ingredients

Mixtures:

Chemical name	Common name and synonyms	CAS number	%
Hypochlorus acid, Sodium salt (1:1)		7681-52-9	12.8
Sodium hydroxide (NA(OH))		1310-73-2	1.05
Other components below reportable levels			86.15

Section 4: First-aid Measures

The following procedures are recommended as emergency first aid only. They are not intended to replace or supplant the treatment advice of a physician or other authorized health care specialist.

Inhalation

Effects: Can cause damage to nasal and respiratory passages.

First Aid: Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact:

Effects: Slightly irritating to skin.

First Aid: Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Eye Contact:

Effects: Can cause damage.

First Aid: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Ingestion:

Effects: Can cause gastrointestinal irritation and burns to the alimentary canal.

First Aid: Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed: Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance

Section 5: Fire-fighting Measures

Suitable extinguishing media: Foam. Powder. Carbon dioxide (C02).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire

Firefighting equipment/instructions: Move containers from fire area if you can do so without risk

Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials
General fire hazards	No unusual fire or explosion hazards noted

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental impact:

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground

Section 7: Handling And Storage

Precautions for safe handling:

Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

Conditions for safe storage: including any incompatibilities

Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8: Exposure Controls/Personal Protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)		
Components	**Type**	**Value**
SODIUM HYDROXIDE (NA(OH)) (CAS 1310-73-2)	PEL	2 mg/m3
US. ACGIH Threshold Limit Values		
Components	**Type**	**Value**
SODIUM HYDROXIDE (NA(OH)) (CAS 1310-73-2)	Ceiling	2 mg/m3
US. NIOSH: Pocket Guide to Chemical Hazards		
Components	**Type**	**Value**
SODIUM HYDROXIDE (NA(OH)) (CAS 1310-73-2)	Ceiling	2 mg/m3
US. Workplace Environmental Exposure Level (WEEL) Guides		
Components	**Type**	**Value**
HYPOCHLOROUS ACID, SODIUM SALT (1:1) (CAS 7681-52-9)	STEL	2 mg/m3

Biological limit values:	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product

Individual protection measures, such as personal protective equipment:

Eye/face protection:	Wear safety glasses with side shields (or goggles) and a face shield. Face shield is recommended.
Skin protection:	
Hand protection:	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other:	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical And Chemical Properties

Information on basic physical and chemical properties

Appearance	
Physical State:	Liquid
Form:	Liquid
Color:	Clear, light yellow green
Odor:	Chlorine
Odor Threshold:	N/A
pH:	N/A
Melting Point/Freezing Point:	7 "(-13.89 "C)
Initial boiling point and boiling range:	578.73 "F (303.74 "C) estimated
Pour point:	Not determined
Flash Point:	N/A
Flammability (solid, gas):	N/A
Other information:	
Density:	9.78 lbs/gal
Specific Gravity:	1.17

Section 10: Stability And Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport
Chemical stability	Material is stable under normal conditions
Possibility of hazardous reactions	Hazardous polymerization does not occur
Conditions to avoid	Contact with incompatible materials
Incompatible materials	Strong acids
Hazardous decomposition products	No hazardous decomposition products are known

Section 11: Toxicological Information

Information on likely routes of exposure

Inhalation: May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Skin contact: Causes severe skin burns. Harmful in contact with skin.

Eye contact: Causes serious eye damage.

Ingestion: Causes digestive tract burns.

Symptoms related to the physical, chemical and toxicological characteristics: Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result

Acute toxicity: Harmful in contact with skin.

Skin corrosion/irritation: Causes severe skin burns and eye damage.

Serious eye damage/eye irritation: Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization: Not a respiratory sensitizer.

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not available.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity - repeated exposure: Not classified.

Aspiration hazard: Not an aspiration hazard.

Chronic effects: Prolonged inhalation may be harmful.

Section 12: Ecological Information

Ecotoxicity: Very toxic to aquatic life with long lasting effects.

Components		Species	Test Results
HYPOCHLOROUS ACID, SODIUM SALT (1:1) (CAS 7681-52-9)			
Aquatic			
Fish	LC50	Chinook salmon (Oncorhynchus tshawytscha)	0.038- 0.065 mg/1, 96 hours
SODIUM HYDROXIDE (NA(OH)) (CAS 1310-73-2)			
Aquatic			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	34.59- 47.13 mg/1, 48 hours
Fish	LC50	Western mosquitofish (Gambusia affinis)	125 mg/1, 96 hours

*Estimates for product may be based on additional component data not shown

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component

Section 13: Disposal Considerations

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with loca1/regiona1/national/international regulations.

Local disposal instructions: Dispose in accordance with all applicable regulations.

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused Products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (See: Disposal instructions)

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport Information

Important note: Shipping descriptions may vary based on mode of transport, quantities, package size, and /or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT:

UN number	UN1791
UN proper shipping name	SODIUM HYPOCHLORITE
Transport hazard class(es)	
Class	8
Subsidiary risk	
Packing group	III
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling
ERG number	154

DOT information may be different from that listed.

DOT

General information: IMDG Regulated Marine Pollutant

Section 15: Regulatory Information

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

HYPOCHLOROUS ACID, SODIUM SALT (1 :1) (CAS 7681-52-9) Listed

SODIUM HYDROXIDE (NA(OH)) (CAS 131 0-73-2) Listed

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard categories
Immediate Hazard -Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance	Not listed.
SARA 311/312 Hazardous chemical	No
SARA 313 (TRI reporting)	Not regulated.

Other federal regulations:

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

Other classifications: Not available

Section 16: Other Information

HMIS® Hazard Ratings: Health – 3 *, Flammability – 0, Chemical Reactivity – 0, Personal Protection – B

Revision Note

No Information available

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.

** HMIS® Rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.*

End of Safety Data Sheet