

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/15/2015

SECTION 1: Identification of the sub	stance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: CLLC 095
Product code	: 8095
1.2. Relevant identified uses of the subs	tance or mixture and uses advised against
Use of the substance/mixture	: Low Foaming Chlorinated Cleaner
1.3. Details of the supplier of the safety of	data sheet
Ace Chemical Products, Inc. 8415 N. 87th Street Milwaukee, WI 53224 - USA T (414) 357-8515 - F (414) 357-8528 info@acechem.com	
1.4. Emergency telephone number Emergency number	: For help in chemical emergencies, call Chemtrec day or night
Emergency number	Chemtrec 1-800-424-9300
SECTION 2: Hazards identification	
2.1. Classification of the substance or m	ixture
GHS-US classification	
Skin Corr. 1A H314	
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labelling Hazard pictograms (GHS-US)	GHS05
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H314 - Causes severe skin burns and eye damage
Precautionary statements (GHS-US)	<ul> <li>H290 - May be corrosive to metals</li> <li>P260 - Do not breathe dust, mist, spray</li> <li>P264 - Wash all exposed body parts thoroughly after handling</li> <li>P280 - Wear eye protection, face protection, protective clothing, protective gloves</li> <li>P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting</li> <li>P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower</li> <li>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>P310 - Immediately call a POISON CENTER, a doctor</li> <li>P321 - Specific treatment - see First Aid measures on this label</li> <li>P363 - Wash contaminated clothing before reuse</li> <li>P405 - Store locked up</li> <li>P501 - Dispose of contents/container to proper treatment facilities in accordance with all applicable local, state &amp; federal regulations</li> <li>Do not mix with acid or ammonia - may release dangerous chlorine gas.</li> <li>Do not mix with other products</li> </ul>
2.3. Other hazards	
Other hazards not contributing to the classification	: None under normal conditions.
2.4. Unknown acute toxicity (GHS-US)	
Not applicable	
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# **SECTION 3: Composition/information on ingredients**

# 3.1. Substance

## Not applicable

# 3.2. Mixture

Name	Product identifier	%	GHS-US classification
sodium hydroxide, conc=50%, aqueous solution	(CAS No) 1310-73-2	20 - 30	Skin Corr. 1A, H314
sodium hypochlorite, solution, conc active chlorine=12.5%	(CAS No) 7681-52-9	20 - 30	Skin Corr. 1A, H314

Full text of H-phrases: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measur	es
First-aid measures general	: Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Wash immediately with lots of water (15 minutes)/shower. Do not apply (chemical) neutralizing agents. Remove clothing while washing. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface > 10%: take victim to hospital.
First-aid measures after eye contact	Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Cover eyes aseptically. Take victim to an ophthalmologist. Do not apply neutralizing agents. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Do not give activated charcoal. Do not give chemical antidote. Immediately call a POISON CENTER or doctor/physician. Take the container/vomit to the doctor/hospital. Ingestion of large quantities: immediately to hospital.
4.2. Most important symptoms and	effects, both acute and delayed
Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation	: EXPOSURE TO HIGH CONCENTRATIONS: Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. FOLLOWING SYMPTOMS MAY APPEAR LATER: Possible laryngeal spasm/oedema. Risk of lung oedema. Respiratory difficulties.
Symptoms/injuries after skin contact	: Caustic burns/corrosion of the skin. Slow-healing wounds.
Symptoms/injuries after eye contact	: Corrosion of the eye tissue. Permanent eye damage.
Symptoms/injuries after ingestion	: Vomiting. Diarrhoea. Burns to the gastric/intestinal mucosa. Possible esophageal perforation. Bleeding of the gastrointestinal tract. Shock. AFTER ABSORPTION OF HIGH QUANTITIES: Disturbances of consciousness.
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry skin. Skin rash/inflammation. Possible inflammation of the respiratory tract.
4.3. Indication of any immediate me	edical attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measur	es
5.1. Extinguishing media	
Suitable extinguishing media	<ul> <li>EXTINGUISHING MEDIA FOR SURROUNDING FIRES: Adapt extinguishing media to the environment. Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li> </ul>

Unsuitable extinguishing media :	No unsuitable extinguishing media known. Do not use a heavy water stream.

5.2. Special hazards arising from the su	ubstance or mixture
Fire hazard	: DIRECT FIRE HAZARD. Non combustible. INDIRECT FIRE HAZARD. Reactions involving a fire hazard: see "Reactivity Hazard".
Explosion hazard	: INDIRECT EXPLOSION HAZARD. Reactions with explosion hazards: see "Reactivity Hazard".

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ter spray/remove them into safety. Dilute toxic gases with water xic fire-fighting water. Use water moderately and if possible collect or y or fog for cooling exposed containers. Exercise caution when Prevent fire-fighting water from entering environment.
ressed air/oxygen apparatus. Do not enter fire area without proper luding respiratory protection.
ocedures
le, without unnecessary risk.
osion-proof suit. Large spills/in enclosed spaces: compressed air enclosed spaces: gas-tight suit. See "Material-Handling" to select
ash contaminated clothes. Large spills/in confined spaces: consider zardous reactions: keep upwind. In case of reactivity hazard: consider necessary personnel.
proper protection.

6.3. Methods and material for containment and cleaning up For containment

For containment	Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the liquid spill. Hazardous reaction: measure explosive gas-air mixture. Reaction: dilute combustible gas/vapour with water curtain. Heat exposure: dilute toxic gas/vapour with water spray. Take account of toxic/corrosive precipitation water.
Methods for cleaning up	Take up liquid spill into absorbent material, e.g.: dry sand/earth or powdered limestone. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Carefully collect the spill/leftovers. Small quantities of liquid spill: wash down with an excess of water. Wash away neutralized product with plentiful water. Damaged/cooled tanks must be emptied. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. **Reference to other sections** 

See Heading 8. Exposure controls and personal protection.

<b>SECTION 7: Handling and storage</b>	e
7.1. Precautions for safe handling	
Additional hazards when processed	: May be corrosive to metals.
Precautions for safe handling	: Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Handle and open the container with care. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Keep container tightly closed. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe dust, mist, spray dust, mist or spray. Avoid contact during pregnancy/while nursing.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.
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7.0 Conditions for onfo stores includi	
7.2. Conditions for safe storage, including	ig any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : direct sunlight, heat sources, Keep container closed when not in use. Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.
Maximum storage period	: 1 year
Heat and ignition sources	: KEEP SUBSTANCE AWAY FROM: heat sources.
Prohibitions on mixed storage	: KEEP SUBSTANCE AWAY FROM: reducing agents. (strong) acids. metals.
Storage area	: Store in a cool area. Keep out of direct sunlight. Store in a dry area. Store in a dark area. Keep locked up. Provide for a tub to collect spills. Keep only in the original container. Meets the legal requirements.
Special rules on packaging	<ul> <li>SPECIAL REQUIREMENTS: hermetical. dry. clean. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.</li> </ul>
Packaging materials	: SUITABLE MATERIAL: polyethylene. polypropylene. glass. stoneware/porcelain. MATERIAL TO AVOID: lead. aluminium. copper. tin. zinc. bronze.
7.3. Specific end use(s)	

1.3 No additional information available

SECTION 8: Exposure	controls/personal protection
8.1. Control paramete	· ·
Accoalde Plus	
ACGIH	Not applicable
OSHA	Not applicable
sodium hydroxide, conc=	50%, aqueous solution (1310-73-2)
ACGIH	Not applicable
OSHA	Not applicable
sodium hypochlorite, solu	ition, conc active chlorine=12.5% (7681-52-9)
ACGIH	Not applicable
OSHA	Not applicable
3.2. Exposure control	
Personal protective equipment	
Materials for protective clothi	<ul> <li>GIVE EXCELLENT RESISTANCE: nitrile rubber. GIVE GOOD RESISTANCE: No data available. GIVE LESS RESISTANCE: chlorinated polyethylene. styrene-butadiene rubber. nitrile rubber/PVC. GIVE POOR RESISTANCE: PVA. natural fibres.</li> </ul>

	hitrie rubber/PVC. GIVE POOR RESISTANCE: PVA. hatural fibres.
Hand protection	<ul> <li>Gloves. Wear eye protection, face protection, protective clothing, protective gloves protective gloves.</li> </ul>
Eye protection	: Chemical goggles or face shield. Face shield.
Skin and body protection	: Corrosion-proof clothing. Wear suitable protective clothing.
Respiratory protection	: Wear gas mask with filter type B if conc. in air > exposure limit. Wear appropriate mask.
Thermal hazard protection	: None needed.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties		
9.1. Information on basic	physical and chemical properties	
Physical state	: Liquid	
Appearance	: Clear.	
Colour	: Light yellow to yellow	
Odour	: Characteristic odour;chlorine-like	
Odour threshold	: No data available	
pH	: 12 - 14	
pH solution	: 11 - 13	
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Boiling point:> 100 °CFlash point:No data availableAuto-ignition temperature:No data availableDecomposition temperature:No data availableFlammability (solid, gas):No data availableYapour pressure:No data availableRelative vapour density at 20 °C:No data availableRelative density:No data availableDensity:1.19 g/mlSolubility:Soluble in water. Water: 100 %Log Pow:No data availableLog Kow:No data availableViscosity, kinematic:No data availableViscosity, kinematic:No data availableViscosity, dynamic:No data availableExplosive properties:No data availableExplosive limits:No data available9.2.Other information:	Relative evaporation rate (butylacetate=1)	: No data available
Freezing point       :       < 0 °C	Melting point	: No data available
Flash point: No data availableAuto-ignition temperature: No data availableDecomposition temperature: No data availableFlammability (solid, gas): No data availableVapour pressure: No data availableRelative vapour density at 20 °C: No data availableRelative density: No data availableDensity: 1.19 g/mlSolubility: Soluble in water. Water: 100 %Log Pow: No data availableLog Kow: No data availableViscosity, kinematic: No data availableExplosive properties: No data availableExplosive properties: No data availableSolubility: No data availableViscosity, dynamic: No data availableExplosive properties: No data availableSolubility: No data availableSolubility: No data availableViscosity, dynamic: No data availableSolubility: No data availableSolubility: No data availableSolubility: No data availableSolubility: No data availableViscosity, dynamic: No data availableExplosive properties: No data availableSolubility: No data	Freezing point	: <0°C
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Oxidising properties       : No data available.         Explosive limits       : No data available         9.2.       Other information	Viscosity, dynamic	: No data available
Explosive limits : No data available 9.2. Other information	Explosive properties	: None.
9.2. Other information	Oxidising properties	: No data available.
	Explosive limits	: No data available
VOC content : 0 %	9.2. Other information	
	VOC content	: 0%

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

On burning: release of toxic and corrosive gases/vapours (chlorine, hydrogen chloride). Decomposes slowly on exposure to air: oxidation which increases fire hazard and release of toxic and corrosive gases/vapours (chlorine). This reaction is accelerated on exposure to light, on exposure to temperature rise and on exposure to (some) metals. Reacts violently with (some) acids/bases: release of toxic and corrosive gases/vapours (chlorine).

### 10.2. Chemical stability

Unstable on exposure to light.

10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases. Do not mix with acid or ammonia - may generate dangerous chlorine gas. May be corrosive to metals.

## 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Chlorine. Thermal decomposition generates : Corrosive vapours.

## **SECTION 11: Toxicological information**

11.1. Information on toxicological effects

# Acute toxicity

: Not classified

sodium hypochlorite, solution, conc active chlorine=12.5% (7681-52-9)	
LD50 oral rat	> 5000 mg/kg (Rat; Literature study)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Literature study)
Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 12 - 14
Serious eye damage/irritation	: Not classified pH: 12 - 14
Respiratory or skin sensitisation	: Not classified

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Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Accoalde Plus			
IARC group	3 - Not classifiable		
sodium hypochlorite, solution, conc active c	hlorine=12.5% (7681-52-9)		
IARC group	3 - Not classifiable		
Reproductive toxicity	: Not classified		
Specific target organ toxicity (single exposure)	: Not classified		
Specific target organ toxicity (repeated exposure)	: Not classified		
Aspiration hazard	: Not classified		
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.		
Symptoms/injuries after inhalation	: EXPOSURE TO HIGH CONCENTRATIONS: Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. FOLLOWING SYMPTOMS MAY APPEAR LATER: Possible laryngeal spasm/oedema. Risk of lung oedema. Respiratory difficulties.		
Symptoms/injuries after skin contact	: Caustic burns/corrosion of the skin. Slow-healing wounds.		
Symptoms/injuries after eye contact	: Corrosion of the eye tissue. Permanent eye damage.		
Symptoms/injuries after ingestion	: Vomiting. Diarrhoea. Burns to the gastric/intestinal mucosa. Possible esophageal perforation. Bleeding of the gastrointestinal tract. Shock. AFTER ABSORPTION OF HIGH QUANTITIES: Disturbances of consciousness.		
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry skin. Skin rash/inflammation. Possible inflammation of the respiratory tract.		

# **SECTION 12: Ecological information**

### 12.1. Toxicity

LC50 fishes 1	> 0.20 mg/l (96 h; Pimephales promelas; Solution <50%)	
2.2. Persistence and degradability		
Accoalde Plus		
Persistence and degradability	Not established.	
sodium hydroxide, conc=50%, aqueous	solution (1310-73-2)	
Persistence and degradability	Biodegradability: not applicable. Not established.	
sodium hypochlorite, solution, conc active chlorine=12.5% (7681-52-9)		
Persistence and degradability	Biodegradability: not applicable. Low potential for adsorption in soil.	
Biochemical oxygen demand (BOD)	Not applicable	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
2.3. Bioaccumulative potential		
Accoalde Plus		
Bioaccumulative potential	Not established.	
sodium hydroxide, conc=50%, aqueous solution (1310-73-2)		
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.	
sodium hypochlorite, solution, conc active chlorine=12.5% (7681-52-9)		
Bioaccumulative potential	Bioaccumulation: not applicable.	
2.4. Mobility in soil		

sodium hypochlorite, solution, conc active chlorine=12.5% (7681-52-9)	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

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Effect on ozone layer	:
Effect on the global warming	: No known ecological damage caused by this product.
Other information	: Avoid release to the environment.
SECTION 13: Disposal consideration	S
13.1. Waste treatment methods	
Waste disposal recommendations	: Remove waste in accordance with local, state and/or national regulations. Remove for physico- chemical/biological treatment. Do not discharge into surface water. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to proper treatment facilities in accordance with all applicable local, state & federal regulations.
Additional information	: Clean up even minor leaks or spills if possible without unecessary risk.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	
In accordance with DOT	
Transport document description	: UN1760 Corrosive liquids, n.o.s. (sodium hypochlorite, sodium hydroxide), 8, II
UN-No.(DOT)	: UN1760
Proper Shipping Name (DOT)	: Corrosive liquids, n.o.s. (sodium hypochlorite, sodium hydroxide)
Department of Transportation (DOT) Hazard Classes	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT)	: 8 - Corrosive
DOT Symbols	: G - Identifies PSN requiring a technical name
Packing group (DOT)	: II - Medium Danger
DOT Special Provisions (49 CFR 172.102)	<ul> <li>B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.</li> <li>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T11 - 6 178.274(d)(2) Normal</li></ul>
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
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## Additional information

Other information

: No supplementary information available.

### ADR

No additional information available

### Transport by sea

No additional information available

## Air transport

No additional information available

# SECTION 15: Regulatory information

## 15.1. US Federal regulations

No additional information available

# 15.2. International regulations

CANADA No additional information available

### **EU-Regulations**

No additional information available

## Classification according to Regulation (EC) No. 1272/2008 [CLP]

## Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

C; R35 R31 Full text of R-phrases: see section 16 **15.2.2.** National regulations

15.3. US State regulations

<b>SECTION 16: Other informatio</b>	n
Other information	: None.
Full text of H-phrases:	
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H314	Causes severe skin burns and eye damage
NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.
HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	: 0 Minimal Hazard
Physical	: 1 Slight Hazard
Personal Protection	: D
SDS US (GHS HazCom 2012)	

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product