

SECTION 1: Identification**1.1. Product identifier**

Product form : Mixture
Product name : CC-615
Product code : 20083

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Safe Foods Chemical Innovations
1501 East 8th Street
North Little Rock, AR, 72114
T 501-758-8500 - F 501-663-8952

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300

SECTION 2: Hazard identification**2.1. Classification of the substance or mixture****Classification (GHS CA)**

Acute toxicity (dermal) Category 4	Harmful in contact with skin
Skin corrosion/irritation Category 1	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	Causes serious eye damage
Hazardous to the aquatic environment – Acute Hazard Category 1	Very toxic to aquatic life
Hazardous to the aquatic environment – Chronic Hazard Category 1	Very toxic to aquatic life with long lasting effects

2.2. GHS Label elements, including precautionary statements**GHS CA labeling**

Hazard pictograms (GHS CA) :



Signal word (GHS CA) :

Danger

Hazard statements (GHS CA) :

Harmful in contact with skin
Causes severe skin burns and eye damage
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS CA) :

Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands, forearms and face thoroughly after handling.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 or doctor.

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Specific treatment (see supplemental first aid instruction on this label).
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

12% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
104% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
106% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

Name	Product identifier	%
Sodium hypochlorite	CAS-No.: 7681-52-9	12.5 – 13
Sodium hydroxide	CAS-No.: 1310-73-2	0.5 – 2

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.
First-aid measures general : Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact : Burns.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : Burns.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

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5.3. Specific hazards arising from the hazardous product

- Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.

5.4. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

6.2. Methods and materials for containment and cleaning up

- For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Store locked up.
Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Name	Occupational Exposure Limits	Province(s)
Sodium hydroxide (1310-73-2)	OEL C: 2 mg/m ³	Alberta, Quebec, British Columbia, Manitoba, Newfoundland and Labrador, Nova Scotia, Nunavut, Northwest Territories, Ontario, Prince Edward Island, Saskatchewan

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.

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Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:	Protective gloves
Eye protection:	Safety glasses
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Colorless to pale yellow liquid.
Color	: Colorless light yellow
Odor	: chlorine-like
Odor threshold	: No data available
pH	: 13
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 107 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: 7.5
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available

9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

Reactivity	: No additional information available
Chemical stability	: No additional information available
Possibility of hazardous reactions	: No additional information available
Conditions to avoid	: No additional information available
Incompatible materials	: No additional information available
Hazardous decomposition products	: No additional information available
Hardening time:	: No additional information available

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Harmful in contact with skin.
Acute toxicity (inhalation) : Not classified

Name	LD50 Oral	LD50 Dermal	LC50 Inhalation	ATE (CA)
CC-615	-	-	-	Dermal: 1350 mg/kg body weight
Sodium hypochlorite (7681-52-9)	8800 mg/kg, rat	> 20000 mg/kg body weight, rabbit	> 10.5 mg/l, rat, vapors	Oral: 8800 mg/kg body weight
Sodium hydroxide (1310-73-2)	-	1350 mg/kg, rabbit	-	Dermal: 1350 mg/kg body weight

Skin corrosion/irritation : Causes severe skin burns.
pH: 13
Serious eye damage/irritation : Causes serious eye damage.
pH: 13
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Name	IARC Group	NTP Status	OSHA List(s)
Sodium hypochlorite (7681-52-9)	3 - Not classifiable	-	-

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

Name	Fish	Crustacea	Other Aquatic Organisms
Sodium hypochlorite (7681-52-9)	LC50 [1]: 0,033 – 0,097 mg/l	EC50 [1]: 141 µg/l EC50 [2]: 35 µg/l	EC50 72h Algae [1]: 0,0365 mg/l EC50 72h Algae [2]: 0,0183 mg/l
Sodium hydroxide (1310-73-2)	LC50 [1]: 189 mg/l	EC50 [1]: 40 mg/l	-

12.2. Persistence and degradability

Name	Persistence and degradability
CC-615	Not rapidly degradable
Sodium hypochlorite (7681-52-9)	Biodegradability not applicable
Sodium hydroxide (1310-73-2)	Biodegradability not applicable

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12.3. Bioaccumulative potential

Name	Bioaccumulative Potential
Sodium hypochlorite (7681-52-9)	Does not contain bioaccumulative component(s).
Sodium hydroxide (1310-73-2)	Not bioaccumulative.

12.4. Mobility in soil

Name	Soil Ecology
Sodium hypochlorite (7681-52-9)	Contains component(s) with potential for mobility in the soil. May be harmful to plant growth, blooming and fruit formation.
Sodium hydroxide (1310-73-2)	No (test)data on mobility of the substance available.

12.5. Other adverse effects

Ozone : Not classified





SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.
 Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
 Sewage disposal recommendations : Disposal must be done according to official regulations.
 Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
 Additional information : Do not re-use empty containers.

SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
14.1. UN number			
UN1791	1791	1791	1791
14.2. Proper Shipping Name			
HYPOCHLORITE SOLUTION	Hypochlorite solutions	HYPOCHLORITE SOLUTION	Hypochlorite solution
Transport document description			
UN1791 HYPOCHLORITE SOLUTION, 8, III	UN1791 Hypochlorite solutions, 8, III	UN 1791 HYPOCHLORITE SOLUTION, 8, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1791 Hypochlorite solution, 8, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)			
8	8	8	8
			
14.4. Packing group			
III	III	III	III

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TDG	DOT	IMDG	IATA
14.5. Environmental hazards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available			

SECTION 15: Regulatory information

15.1. National regulations

Listed on the Canadian DSL (Domestic Substances List)
Sodium hypochlorite (7681-52-9)
Sodium hydroxide (1310-73-2)

15.2. International regulations

Name	Inventory
CC-615	Not listed on the United States TSCA (Toxic Substances Control Act) inventory
Sodium hypochlorite (7681-52-9)	Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
Sodium hydroxide (1310-73-2)	Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16: Other information

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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.