

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

**Product identifier**

**Product Name** CC-555

**Other means of identification**

**Product Code** 20008

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Heavy-duty CIP cleaner

**Uses advised against** Follow the directions for use on the label when applying this product

**Details of the supplier of the safety data sheet**

**Initial supplier identifier**

Safe Foods Chemical Innovations  
1501 E. 8th Street  
North Little Rock, AR 72114 USA

**Emergency telephone number**

**Initial supplier phone number** 1-501-758-8500  
**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**

Serious eye damage/eye irritation	Category 1
Skin corrosion/irritation	Category 1 Sub-category A
Acute toxicity - Oral	Category 4

**Label elements**

### DANGER

**Hazard statements**

Causes severe skin burns and eye damage  
Harmful if swallowed



**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  
Do not eat, drink or smoke when using this product

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor  
Specific treatment (see Section 4 on SDS)  
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  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor  
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. 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

**Other Information**

Harmful to aquatic life with long lasting effects

**Unknown acute toxicity** See Section 11 for additional Toxicological Information

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

Chemical Name	CAS No.	Weight-%
Water	7732-18-5	45-75
Sodium hydroxide	1310-73-2	20-50
Sodium gluconate	527-07-1	< 5

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

#### 4. FIRST AID MEASURES

##### First aid measures

<b>Inhalation</b>	Remove to fresh air. Administer oxygen if breathing is difficult. Call a physician immediately.
<b>Eye contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
<b>Skin contact</b>	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. For severe burns, immediate medical attention is required. Wash contaminated clothing before reuse.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

##### Most important symptoms and effects, both acute and delayed

**Symptoms** See Section 11 for additional Toxicological Information.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, foam.
<b>Unsuitable extinguishing media</b>	No information available.
<b>Specific hazards arising from the chemical</b>	Exothermic reaction will occur upon dilution with water.
<b>Hazardous combustion products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).
<b>Explosion data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment as required. Ensure adequate ventilation.

**For emergency responders** Isolate area. Keep unnecessary personnel away.

##### Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. See section 12 for additional ecological information.

##### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**Methods for cleaning up** Soak up with inert absorbent material. Collect spillage. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.

#### 7. HANDLING AND STORAGE

##### Precautions for safe handling

**Advice on safe handling** Exothermic reaction will occur upon dilution with water. Use personal protection equipment. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Avoid breathing vapors or mists. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

##### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Store in accordance with local regulations.

**Incompatible materials** Acids. Amphoteric metals (aluminum, copper, zinc).

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Control parameters

**Exposure Limits**

Chemical Name	Alberta	British Columbia	Ontario TWA	Quebec
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	CEV: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling (CEV)	Maximum limit value
*	Skin designation

**Appropriate engineering controls**

**Engineering controls** Showers, eyewash stations, and ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tight sealing safety goggles. Face protection shield.

**Skin and body protection** If there is a risk of contact: Chemical resistant gloves, suit and boots.

**Respiratory protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Appearance</b>	Aqueous solution
<b>Color</b>	Clear, Amber
<b>Odor</b>	Alkaline
<b>Odor threshold</b>	No information available
<b>Property</b>	<b>Values</b>
<b>pH</b>	13
<b>Melting point / freezing point</b>	3.9 °C / 39 °F
<b>Boiling point / boiling range</b>	120 °C / 248 °F
<b>Flash point</b>	Not flammable
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	No data available
<b>Lower flammability limit:</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density</b>	1.45 g/cc
<b>Water solubility</b>	Soluble in water
<b>Solubility in other solvents</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No data available
<b>Kinematic viscosity</b>	No information available
<b>Dynamic viscosity</b>	No data available
<b>Explosive properties</b>	No information available.
<b>Oxidizing properties</b>	No information available.
<b>VOC Content (%)</b>	0.00%

**Remarks • Method**

±1 @ 21°C

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions. Exothermic reaction will occur upon dilution with water.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	None known based on information supplied.
<b>Incompatible materials</b>	Acids. Amphoteric metals (aluminum, copper, zinc).
<b>Hazardous Decomposition Products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Product Information</b>	
<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system. Vapors may be irritating to eyes, nose, throat, and lungs.
<b>Eye contact</b>	Corrosive to the eyes and may cause severe damage including blindness.
<b>Skin contact</b>	Contact causes severe skin irritation and possible burns.
<b>Ingestion</b>	Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.

**Information on toxicological effects****Symptoms** No information available.**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hydroxide 1310-73-2	140 - 340 mg/kg ( Rat )	= 1350 mg/kg ( Rabbit )	-

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

**Skin corrosion/irritation** No information available.  
**Serious eye damage/eye irritation** No information available.  
**Respiratory or skin sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** Based on available data, the classification criteria are not met.  
**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity****Acute toxicity**

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

ATEmix (oral) 339.40

ATEmix (dermal) 3,272.70

**Unknown acute toxicity** 43.05 % of the mixture consists of ingredient(s) of unknown toxicity

1.8 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

1.8 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

43.05 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

43.05 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

43.05 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**12. ECOLOGICAL INFORMATION****Ecotoxicity** The environmental impact of this product has not been fully investigated.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium hydroxide 1310-73-2	-	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	-	-

**Persistence and degradability** No information available.**Bioaccumulation** No information available.**Mobility** Soluble in water.**Other adverse effects** No information available.**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.**Contaminated packaging** Empty containers must be triple rinsed prior to disposal. Dispose of in accordance with local regulations.**14. TRANSPORT INFORMATION****TDG**

UN/ID No. 1760

Proper shipping name Corrosive liquids, n.o.s. (contains sodium hydroxide)

Hazard Class 8

Packing Group II

**15. REGULATORY INFORMATION****Regulatory information****International Regulations****Ozone-depleting substances (ODS)** Not applicable**Persistent Organic Pollutants** Not applicable**The Rotterdam Convention** Not applicable**International Inventories****TSCA** Complies**DSL/NDSL** Complies**EINECS/ELINCS** Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

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

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

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>Prepared By</b>	Technical Department.
<b>Issue Date</b>	01-Dec-2016
<b>Revision Date</b>	27-Feb-2023
<b>Version</b>	1
<b>Revision Note</b>	Company name update.

**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 health hazards given on this SDS apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

**End of Safety Data Sheet**