

# Safety Data Sheet

Issue Date: 21-Apr-2008

Revision Date: 13-Oct-2022

Version 4

## 1. IDENTIFICATION

### Product identifier

**Product Name** 640 GREEN

### Other means of identification

**SDS #** OBCO-002

**UN/ID No** UN1791

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

**Recommended Use** For low temperature chlorination.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

OBCO Chemical Corporation  
7248 Spa Road  
North Charleston, SC 29418

### Emergency telephone number

**Company Phone Number** 1-843-572-6688  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Thin green liquid

**Physical state** Liquid

**Odor** Bleach

### Classification

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1                |
| Flammable liquids                 | Category 4                |

### Signal Word

**Danger**

### Hazard statements

Causes severe skin burns and eye damage  
Combustible liquid



### Precautionary Statements - Prevention

Do not breathe dusts or mists  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Keep away from flames and hot surfaces. - No smoking

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor

Specific treatment (see .? on this label)

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/ 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: Rinse mouth. Do NOT induce vomiting

IN CASE OF FIRE: Use CO2, dry chemical, or foam to extinguish

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Very toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical name       | CAS No    | Weight-% |
|---------------------|-----------|----------|
| Sodium hypochlorite | 7681-52-9 | 9-16     |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST AID MEASURES****Description of first aid measures**

|                       |                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b> | Immediately call a poison center or doctor/physician.                                                                                                                                      |
| <b>Eye Contact</b>    | 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/physician.     |
| <b>Skin Contact</b>   | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Get medical attention if necessary.    |
| <b>Inhalation</b>     | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.                                                 |
| <b>Ingestion</b>      | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Drink large volumes of milk or water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center. |

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

|                 |                                          |
|-----------------|------------------------------------------|
| <b>Symptoms</b> | Causes severe skin burns and eye damage. |
|-----------------|------------------------------------------|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray (fog). Foam.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Material is corrosive.

**Hazardous combustion products** Chlorine gas.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment as required.

**For Emergency Responders** Caution-material is an oxidizer.

### Environmental precautions

**Environmental precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS. 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.

**Methods for Clean-Up** For small spills: Wipe up product and rinse affected area with water. For large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal. Flush spill area with water, collect rinse water in containers for proper disposal. Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Follow all SDS/label precautions even after container is emptied, because it may retain product residues.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep/store only in original container. Protect from extreme temperatures. Store locked up. Do not store near combustible materials.

**Incompatible Materials** Flammable/combustible materials. Organic materials. Strong oxidizers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

### Appropriate engineering controls

#### **Engineering Controls**

Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

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

#### **Eye/Face Protection**

Chemical anti-splash safety goggles.

#### **Skin and Body Protection**

Wear suitable protective clothing. Avoid contact with skin. Protective gloves should be worn.

#### **Respiratory Protection**

Under normal conditions, respirator is not normally required. Ensure adequate ventilation, especially in confined areas.

#### **General Hygiene Considerations**

Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                         |                       |                         |                |
|-----------------------------------------|-----------------------|-------------------------|----------------|
| Physical state                          | Liquid                | Odor                    | Bleach         |
| Appearance                              | Thin green liquid     | Odor Threshold          | Not determined |
| Color                                   | Clear, green          |                         |                |
| <u>Property</u>                         | <u>Values</u>         | <u>Remarks • Method</u> |                |
| pH                                      | 11-13                 |                         |                |
| Melting point / freezing point          | No data available     |                         |                |
| Initial boiling point and boiling range | No data available     |                         |                |
| Flash point                             | > 93 °C / > 200 °F    | CC (closed cup)         |                |
| Evaporation Rate                        | Not determined        |                         |                |
| Flammability (Solid, Gas)               | Liquid-not applicable |                         |                |
| Flammability Limit in Air               |                       |                         |                |
| Upper flammability or explosive limits  | Not applicable        |                         |                |
| Lower flammability or explosive limits  | Not applicable        |                         |                |
| Vapor Pressure                          | Not determined        |                         |                |
| Vapor Density                           | No data available     |                         |                |
| Relative Density                        | 1.05                  |                         |                |
| Water Solubility                        | Completely soluble    |                         |                |
| Solubility in other solvents            | Not determined        |                         |                |
| Partition Coefficient                   | Not determined        |                         |                |
| Autoignition temperature                | No data available     |                         |                |
| Hyphen                                  | Not determined        |                         |                |
| Kinematic viscosity                     | Not determined        |                         |                |
| Dynamic Viscosity                       | Not determined        |                         |                |
| Explosive Properties                    | Not determined        |                         |                |
| Oxidizing Properties                    | Not determined        |                         |                |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Excessive heat. Keep away from flammable and combustible substances.

### Incompatible materials

Flammable/combustible materials. Organic materials. Strong oxidizers.

### Hazardous decomposition products

Chlorine gas.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

**Eye Contact** Causes severe eye damage.

**Skin Contact** Causes severe skin burns.

**Inhalation** Avoid breathing vapors or mists.

**Ingestion** Do not ingest.

### Component Information

| Chemical name                    | Oral LD50           | Dermal LD50              | Inhalation LC50         |
|----------------------------------|---------------------|--------------------------|-------------------------|
| Sodium hypochlorite<br>7681-52-9 | = 8.91 g/kg ( Rat ) | > 20000 mg/kg ( Rabbit ) | > 10.5 mg/L ( Rat ) 1 h |

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Please see section 4 of this SDS for symptoms.

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

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Group 3 IARC components are "not classifiable as human carcinogens".

| Chemical name                    | ACGIH | IARC    | NTP | OSHA |
|----------------------------------|-------|---------|-----|------|
| Sodium hypochlorite<br>7681-52-9 |       | Group 3 |     |      |

*IARC (International Agency for Research on Cancer)*

*Group 3 IARC components are "not classifiable as human carcinogens"*

**Numerical measures of toxicity**

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

**Unknown Acute Toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity.

**Oral LD50** 84,857.1429 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

**Component Information**

| Chemical name                    | Algae/aquatic plants | Fish                                                                                                                                                                                                                                                                                                                                                                                    | Crustacea                                       |
|----------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Sodium hypochlorite<br>7681-52-9 |                      | LC50: 0.06 - 0.11mg/L (96h,<br>Pimephales promelas)<br>LC50: 4.5 - 7.6mg/L (96h,<br>Pimephales promelas)<br>LC50: 0.4 - 0.8mg/L (96h, Lepomis<br>macrochirus)<br>LC50: 0.28 - 1mg/L (96h, Lepomis<br>macrochirus)<br>LC50: 0.05 - 0.771mg/L (96h,<br>Oncorhynchus mykiss)<br>LC50: 0.03 - 0.19mg/L (96h,<br>Oncorhynchus mykiss)<br>LC50: 0.18 - 0.22mg/L (96h,<br>Oncorhynchus mykiss) | EC50: 0.033 - 0.044mg/L (48h,<br>Daphnia magna) |
| Sodium hydroxide<br>1310-73-2    |                      | LC50: =45.4mg/L (96h,<br>Oncorhynchus mykiss)                                                                                                                                                                                                                                                                                                                                           |                                                 |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

There is no data for this product.

**Mobility**

Not determined

**Other adverse effects**

Not determined

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Based on package size, product may be eligible for limited quantity exception.

### DOT

UN/ID No UN1791  
 Proper Shipping Name Hypochlorite solutions  
 Transport hazard class(es) 8  
 Packing Group II

### IATA

UN number or ID number UN1791  
 Proper Shipping Name Hypochlorite solutions  
 Transport hazard class(es) 8  
 Packing group II

### IMDG

UN number or ID number UN1791  
 Proper Shipping Name Hypochlorite solutions  
 Transport hazard class(es) 8  
 Packing Group II  
 Marine Pollutant Yes

## 15. REGULATORY INFORMATION

### International Inventories

| Chemical name       | TSCA | TSCA Inventory Status | DSL/NDL | EINECS/ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---------------------|------|-----------------------|---------|---------------|------|-------|------|-------|------|
| Sodium hypochlorite | X    | ACTIVE                | X       | X             | X    | X     | X    | X     | X    |

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European 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

### US Federal Regulations

#### 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 | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|----------------------------------|--------------------------|----------------|-------------------------------------------|
| Sodium hypochlorite<br>7681-52-9 | 100 lb                   |                | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (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 | 100 lb                      |                        |                           | X                          |

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical name                    | New Jersey | Massachusetts | Pennsylvania |
|----------------------------------|------------|---------------|--------------|
| Sodium hypochlorite<br>7681-52-9 | X          | X             | X            |

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

**NFPA**

Health hazards

Flammability

Instability

Special hazards

**HMIS**

Health hazards

Flammability

Physical hazards

Personal Protection

3

0

1

B

Issue Date:

21-Apr-2008

Revision Date:

13-Oct-2022

Revision Note:

Telephone number 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 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