

## Safety Data Sheet

### SECTION 1: Identification

#### 1.1 Product identifier

Product name	<b>MultiChlor Chlorine Additive</b>
Product number	145
Brand	Crown Chemical, Inc.

#### 1.2 Other means of identification

MultiChlor Chlorine Additive

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

Machine dishwashing or laundry destaining

#### 1.4 Supplier's details

Name	Crown Chemical, Inc.
Address	4701 W. 136th. St. Crestwood, Illinois 60418 U.S.A.
Telephone	708-371-6990
Fax	708-371-6992
email	info@crown-chem.com

#### 1.5 Emergency phone number(s)

800-535-5053

### SECTION 2: Hazard identification

#### General hazard statement

Causes serious eye damage; Causes severe skin burns and eye damage; Harmful if swallowed

#### 2.1 Classification of the substance or mixture

##### GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1A
- Acute toxicity, oral, Cat. 4

#### 2.2 GHS label elements, including precautionary statements

##### Pictogram



1. Exclamation mark; 2. Corrosion

##### Signal word

**Danger**

##### Hazard statement(s)

H315	Causes skin irritation
H319	Causes serious eye irritation
H318	Causes serious eye damage

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H314 Causes severe skin burns and eye damage  
H302 Harmful if swallowed

### Precautionary statement(s)

P264 Wash hands & skin thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water/Take off immediately contaminated clothing and wash it before reuse. Call a poison control center or doctor for treatment advice if irritation persists.  
  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P310 Immediately call a POISON CENTER/doctor for treatment advice.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
  
P363 Wash contaminated clothing before reuse.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P405 Store locked up.  
P501 Dispose of contents and container in accordance with all local, state, national and international regulations.  
  
P270 Do not eat, drink or smoke when using this product.  
P301+P312 IF SWALLOWED: Call a POISON CENTER /doctor if you feel unwell.  
P330 Rinse mouth.

### 2.3 Other hazards which do not result in classification

None identified

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Corrosive Mixture

#### Hazardous components

##### 1. Sodium hypochlorite solution (13% Cl<sub>2</sub>)

Concentration 60 - 80 % (weight)  
EC no. 231-668-3  
CAS no. 7681-52-9  
Index no. 017-011-00-1

- Skin corrosion/irritation, Cat. 1B
- Hazardous to the aquatic environment, short-term (acute), Cat. 1

H314 Causes severe skin burns and eye damage  
H400 Very toxic to aquatic life

#### Trade secret statement (OSHA 1910.1200(i))

The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	Do not breathe dust or mists. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective rubber gloves and chemical splash goggles or face shield when using this product. If inhalable particles of dusts or mists may occur during use, wear NIOSH approved respiratory protection. Mix ONLY with water.
If inhaled	Remove person to fresh air and keep comfortable for breathing. Call a Poison Control Center or doctor for treatment advice.
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing and shoes before reuse. Call a Poison Control Center or doctor for treatment advice if irritation persists.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice.
If swallowed	Rinse out mouth. Do NOT induce vomiting. Immediately call a Poison Control Center or doctor for treatment advice.

### 4.2 Most important symptoms/effects, acute and delayed

See Section 11 for additional information.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat exposure symptomatically. In all cases of eye contact, or if large quantities have been ingested or inhaled, contact a doctor or Poison Control Center immediately.

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use water spray, fog or foam.

### 5.2 Specific hazards arising from the chemical

None known

### 5.3 Special protective actions for fire-fighters

Remove all persons from the vicinity. No responsive action should be taken without proper training.

## SECTION 6: Accidental release measures

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

Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).

### 6.3 Methods and materials for containment and cleaning up

Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

#### Reference to other sections

Put on appropriate protective equipment (see Section 8).

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Avoid contact with eyes, skin or clothing. Avoid inhalation of dust or mists. Use in a well ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

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

Store in a locked location inaccessible to small children. Keep container closed when not in use. Store in a well ventilated area between 60-100°F (15- 38°C).

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

1. Sodium hypochlorite solution (13% Cl<sub>2</sub>) (CAS: 7681-52-9 EC: 231-668-3)

#### 8.2 Appropriate engineering controls

Use with adequate ventilation to maintain exposure limits below listed thresholds.

#### 8.3 Individual protection measures, such as personal protective equipment (PPE)

##### Eye/face protection

Wear chemical splash goggles or face shield when using this product.

##### Skin protection

Wear rubber gloves, a long sleeve shirt and, if necessary, a rubber apron to prevent contact.

##### Body protection

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid contact with clothing or shoes. Wash contaminated items before reuse. Avoid wearing contact lenses when using this product.

##### Respiratory protection

Wear a NIOSH respirator approved for corrosive vapor and dust when using this product.

##### Thermal hazards

No data available.

##### Environmental exposure controls

Do not let product enter drains.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Yellow Liquid
Odor	Chlorine
Odor threshold	No data available.
pH	>11.5 (1% solution)
Melting point/freezing point	No data available.
Initial boiling point and boiling range	N/A
Flash point	Non-Combustible
Evaporation rate	<1.0
Flammability (solid, gas)	N/A
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	N/A
Vapor density	>1.0
Relative density	>1.0

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Solubility(ies)	100% in 120°F Water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	>1.0
Explosive properties	No data available.
Oxidizing properties	No data available.

### Other safety information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Product is highly reactive with acids and organic materials. Reactions may produce hazardous conditions, including chlorine gas emissions and heat. NEVER mix this product with other chemicals. Mix this product ONLY with water.

### 10.2 Chemical stability

Product is stable under normal storage and usage conditions.

### 10.3 Possibility of hazardous reactions

NEVER mix this product with other chemicals. Mix this product ONLY with water.

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Acids and organic materials, metals.

### 10.6 Hazardous decomposition products

None are expected under normal storage and usage conditions.

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Serious burns to eyes, skin, mouth, throat, stomach and respiratory tract.

#### Skin corrosion/irritation

Skin contact may cause irritation or pain, redness and blistering.

#### Serious eye damage/irritation

Eye contact may cause irritation or pain, redness and watering.

#### Respiratory or skin sensitization

Inhalation may cause coughing, choking and respiratory tract irritation.

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

No data available

#### Reproductive toxicity

No data available

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### Summary of evaluation of the CMR properties

No data available

### STOT-single exposure

No data available

### STOT-repeated exposure

No data available

### Aspiration hazard

Irritation to respiratory tract.

### Additional information

No known significant effects or critical hazards.

## SECTION 12: Ecological information

### Toxicity

No specific data available for this mixture. Sodium Hypochlorite is known to be toxic to aquatic life.

### Persistence and degradability

No data

### Bioaccumulative potential

No data

### Mobility in soil

No data

### Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

### Disposal of contaminated packaging

Dispose of as unused product.

### Other disposal recommendations

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

## SECTION 14: Transport information

### DOT (US)

UN Number: UN 1791

Class: 8

Packing Group: III

Proper Shipping Name: UN 1791, Hypochlorite Solution, 8, PG III

Reportable quantity (RQ): Sodium Hypochlorite

**Note:** Certain package sizes of this product may qualify for exceptions to DOT's packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### **SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **SARA 311/312 Hazards**

Acute Health Hazard

#### **Massachusetts Right To Know Components**

Sodium hypochlorite, CAS number: 7681-52-9

#### **New Jersey Right To Know Components**

SODIUM HYPOCHLORITE, CAS number: 7681-52-9

#### **Pennsylvania Right To Know Components**

Hypochlorous acid, sodium salt, CAS number: 7681-52-9

## SECTION 16: Other information

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

### 16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Crown Chemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Crown Chemical, Inc. has been advised of the possibility of such damages.