 SECTION 1: Identification

1.1 Product identifier
Product name: StainSolve C
Product number: 213
Brand: Crown Chemical, Inc.

1.2 Other means of identification
StainSolve C Stain Remover

1.3 Recommended use of the chemical and restrictions on use
Laundry stain remover

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: (US) 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. Corrosion; 2. Exclamation mark

   Signal word
   Danger

   Hazard statement(s)
   H318 Causes serious eye damage
   H314 Causes severe skin burns and eye damage
   H302 Harmful if swallowed
Precautionary statement(s)

P280 Wear eye protection/face protection/protective gloves/protective clothing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor for treatment advice.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash hands & skin thoroughly after handling.
P301+P330+P331 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

Components

1. Hydroxyacetic acid
Concentration 20 - 30 % (By Weight)
EC no. 201-180-5
CAS no. 79-14-1

- Eye damage/irritation, Cat. 1
- Acute toxicity, inhalation, Cat. 4
- Skin corrosion/irritation, Cat. 1B

H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H332 Harmful if inhaled

2. Ammonium bifluoride
Concentration 10 - 20 % (By Weight)
EC no. 215-676-4
CAS no. 1341-49-7
Index no. 009-009-00-4

- Skin corrosion/irritation, Cat. 1B
- Acute toxicity, oral, Cat. 3

H301 Toxic if swallowed
H314 Causes severe skin burns and eye damage

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. **Product can absorb through the skin and cause internal damage which is not immediately apparent.** 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. Immediately 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 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.

Personal protective equipment for first-aid responders
Self-contained breathing apparatus.

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, ingestion, or inhalation, 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.

Further information
Use water spray to cool unopened containers.

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).
6.2 **Environmental precautions**
See Section 12 for ecological Information.

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**
For disposal see section 13.

**SECTION 7: Handling and storage**

7.1 **Precautions for safe handling**
Avoid contact with eyes, skin or clothing. Avoid inhalation of vapor 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).

**Specific end use(s)**
Apart from the uses mentioned in section 1 no other specific uses are stipulated.

**SECTION 8: Exposure controls/personal protection**

8.1 **Control parameters**

1. **Ammonium bifluoride (CAS: 1341-49-7 EC: 215-676-4)**
   - TWA (Inhalation): 2.5 mg/m³ (OSHA)
   - TLV® (Inhalation): 2.5 mg/m³ (ACGIH)

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 protective 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 approved respirator for corrosive dusts or mists.

   **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.)
  - Colorless Liquid

- Odor
  - Characteristic

- Odor threshold
  - No data available.

- pH
  - <2.0 (1% solution)

- Melting point/freezing point
  - No data available.

- Initial boiling point and boiling range
  - No data available.

- Flash point
  - Non-Combustible

- Evaporation rate
  - No data available.

- Flammability (solid, gas)
  - No data available.

- Upper/lower flammability limits
  - No data available.

- Upper/lower explosive limits
  - No data available.

- Vapor pressure
  - No data available.

- Vapor density
  - No data available.

- Relative density
  - >1.0

- 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 alkalis. Reactions may produce hazardous conditions, including violent splattering of corrosive materials. Product is reactive with halogens (such as chlorine) and may release chlorine gas if mixed with these materials. 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

- No data available.

10.4 Conditions to avoid


10.5 Incompatible materials

- Alkalis, halogens, metals.

10.6 Hazardous decomposition products

- None are expected under normal storage and usage conditions.

SECTION 11: Toxicological information

Information on toxicological effects

11.1 Acute toxicity

- Eyes, Skin, Ingestion, Inhalation

11.2 Skin corrosion/irritation

- Irritation, pain, redness, blistering.
**SECTION 12: Ecological information**

**Toxicity**
No specific data available for this mixture. Hydroxyacetic Acid and Sulfuric Acid are known to be toxic to aquatic life.

**Persistence and degradability**
No data available on product.

**Bioaccumulative potential**
No data available on product

**Mobility in soil**
No data available.

**Results of PBT and vPvB assessment**
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**
No known significant effects or critical hazards.

**SECTION 13: Disposal considerations**

**Disposal of the product**
Avoid disposal of this product. Use complete contents according to directions.

**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: NA 1760
Class: 8
Packing Group: III
Proper Shipping Name: NA 1760, Compounds, Cleaning Liquid, 8, PG II (Contains Hydroxyacetic Acid and Ammonium Bifluoride)
Reportable quantity (RQ): Ammonium Bifluoride
Right-To-Know Hazardous Chemicals: Hydroxyacetic Acid, Ammonium Bifluoride

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
Ammonium bifluoride, CAS number: 1341-49-7

Pennsylvania Right To Know Components
Glycollic acid, CAS-No. 79-14-1
Ammonium fluoride, CAS number: 1341-49-7

New Jersey Right To Know Components
Glycollic acid, CAS-No. 79-14-1
Ammonium bifluoride, CAS number: 1341-49-7

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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.