SAFETY DATA SHEET

Date Prepared: 11/20/2014
SDS No: FOR

For

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Force
GENERAL USE: Clear and maintain all sink drains.
PRODUCT DESCRIPTION: Non Acid Drain Opener
PRODUCT CODE: FOR
CHEMICAL FAMILY: Alkali/detergent blend

MANUFACTURER
MISCO Products Corporation
1048 Stinson Drive
Reading, PA 19605
Emergency Phone: 610-926-4106
Customer Service: 800-548-4568
Transportation: 800-548-4568

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:
- Skin Corrosion, Category 1B
- Eye Corrosion, Category 1
- Acute Toxicity (Oral), Category 4

Physical:
- Corrosive to Metals, Category 1

GHS LABEL

Corrosion
Exclamation mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

- H314: Causes severe skin burns and eye damage.
- H302: Harmful if swallowed.
- H290: May be corrosive to metals.

PRECAUTIONARY STATEMENT(S)

Prevention:
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P260: Do not breathe fumes, gas, mist, vapors or spray.
- P270: Do not eat, drink or smoke when using this product.
- P264: Wash hands thoroughly after handling.
- P102: Keep out of reach of children.

Response:
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P363: Wash contaminated clothing before reuse.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310: Immediately call a POISON CENTER or doctor/physician.

Storage:
P405: Store locked up.

Disposal:
P501: Dispose of contents/container according to all local, state and Federal regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear Liquid
IMMEDIATE CONCERNS: Causes irreversible eye damage and skin burns.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive, contact causes severe eye burns.
SKIN: Contact causes severe skin irritation and possible burns.
SKIN ABSORPTION: Harmful if absorbed through skin.
INGESTION: Harmful if swallowed.
INHALATION: Vapors are irritating to respiratory tract.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: None known.
TERATOGENIC EFFECTS: None known.
CARCINOGENICITY: None known.
MUTAGENICITY: None known.

ROUTES OF ENTRY: Eye, skin, ingestion.
TARGET ORGAN STATEMENT: None known.
CANCER STATEMENT: NA = Not Applicable
SENSITIZATION: None known.

WARNING CAUTION LABELS: Corrosive

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>10 - 15</td>
<td>1310-73-2</td>
</tr>
<tr>
<td>Sodium Hypochlorite</td>
<td>&lt; 1</td>
<td>7681-52-9</td>
</tr>
<tr>
<td>Water</td>
<td>85 - 90</td>
<td>7732-18-5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

SKIN: Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe burning sensation, damage marked by burns.

SKIN: Burning sensation, redness, swelling and possible blistering.

SKIN ABSORPTION: None Expected.

INGESTION: Irritation of mouth, throat, along with stomach upset, vomiting.
INHALATION: Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

ACUTE EFFECTS: Corrosive to eyes. Causes moderate to severe skin irritation. Harmful if swallowed.

NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: None
EXTINGUISHING MEDIA: Not required.
EXPLOSION HAZARDS: None
HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.
LARGE SPILL: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid discharges into open waterways.
LAND SPILL: Avoid discharge to soil.
AIR SPILL: NA = Not Applicable

GENERAL PROCEDURES: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

RELEASE NOTES: Product is harmful to aquatic life.

SPECIAL PROTECTIVE EQUIPMENT: Eye protection, rubber gloves, rubber boots to protect feet.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Do not contaminate water, food, or feed by storage or disposal.
HANDLING: Wear chemical resistant rubber or neoprene gloves and eye safety goggles/full face shield when handling.
STORAGE: Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store product away from food and water sources. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

STORAGE TEMPERATURE: Store at ambient temperatures.
STORAGE PRESSURE: Store at ambient atmospheric pressure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Type</th>
<th>ppm</th>
<th>mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>OSHA PEL</td>
<td>TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV</td>
<td>TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Sodium Hypochlorite</td>
<td>OSHA PEL</td>
<td>TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV</td>
<td>TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Supplier OEL</td>
<td>STEL</td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles.

SKIN: Rubber or other chemical resistant gloves.
RESPIRATORY: A respirator is not needed under normal and intended conditions of product use.

WORK HYGIENIC PRACTICES: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Characteristic.

**ODOR THRESHOLD:** Not Established

**COLOR:** Water Clear

**pH:** > 13.5

**PERCENT VOLATILE:** >80

**FLASH POINT AND METHOD:** None

**FLAMMABLE LIMITS:** N/A

**AUTOIGNITION TEMPERATURE:** NA = Not Applicable

**VAPOR PRESSURE:** 20 mm Hg at (68°F)

**VAPOR DENSITY:** > 1 Air = 1

**BOILING POINT:** 212°F; 100°C

**FREEZING POINT:** 32°F; 0°C

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** Complete

**EVAPORATION RATE:** (Water =1) 1.0

**DENSITY:** 9.13 at 20°C (68°F)

**SPECIFIC GRAVITY:** 1.094 grams/ml. at 20°C (68°F)

**VISCOSITY:** Water thin.

**(VOC):** None

10. STABILITY AND REACTIVITY

**REACTIVITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Reacts violently with strong acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

11. TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ORAL LD₅₀ (rat)</th>
<th>DERMAL LD₅₀ (rabbit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>300 to 500 mg/kg (rat)</td>
<td>&gt; 2000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Sodium Hypochlorite</td>
<td>3000 to 5000 mg/kg (rat)</td>
<td>&gt; 2000 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

**DERMAL LD₅₀:** Not Established

**ORAL LD₅₀:** Not Established

**SKIN CORROSION/IRRITATION:** Corrosive

**GERM CELL MUTAGENICITY:** No known significant effects or critical hazards.

**CARCINOGENICITY**

**IARC:** Not Established

**REPRODUCTIVE TOXICITY:** No known significant effects or critical hazards.
12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Established
ECOTOXICOLOGICAL INFORMATION: This material may be toxic to aquatic life.
AQUATIC TOXICITY (ACUTE): Not Established
CHEMICAL FATE INFORMATION: Not Established

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and its containers should be treated as hazardous waste based on the characteristics of corrosivity as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal into public sewer.
FOR LARGE SPILLS: Consult with local and state authorities for large volume disposal.
EMPTY CONTAINER: Rinse container with clear water. Offer container for recycling, or dispose of in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Compound, Cleaning Liquid
TECHNICAL NAME: Sodium Hydroxide Solution
PRIMARY HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: 1760
PACKING GROUP: III
PLACARDS: Corrosive
LABEL: Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.
OTHER SHIPPING INFORMATION: Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.
U.S. CUSTOMS HARMONIZATION NUMBER: 3808.94.0000
AIR (ICAO/IATA)
SHIPPING NAME: Contact manufacturer for more information.
VESSEL (IMO/IMDG)
SHIPPING NAME: Contact manufacturer for more information.

15. REGULATORY INFORMATION

UNITED STATES
DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
311/312 HAZARD CATEGORIES: Health - Acute
FIRE: No PRESSURE GENERATING: No REACTIVITY: Yes ACUTE: Yes CHRONIC: No
313 REPORTABLE INGREDIENTS: No listed substance

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: No listed substance

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CERCLA RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>10 - 15</td>
<td>1,000 lbs.</td>
</tr>
<tr>
<td>Sodium Hypochlorite</td>
<td>&lt; 1</td>
<td>100 lbs.</td>
</tr>
</tbody>
</table>

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All ingredients are listed on the TSCA Chemical Inventory.

STATES WITH SPECIAL REQUIREMENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>Massachusetts Right to Know Substance</td>
</tr>
<tr>
<td></td>
<td>New Jersey Right To Know Substance</td>
</tr>
<tr>
<td></td>
<td>Pennsylvania Right to Know Substance</td>
</tr>
<tr>
<td></td>
<td>Rhode Island Right to Know Substance</td>
</tr>
<tr>
<td>Sodium Hypochlorite</td>
<td>Massachusetts Right to Know Substance</td>
</tr>
<tr>
<td></td>
<td>New Jersey Right To Know Substance</td>
</tr>
<tr>
<td></td>
<td>Pennsylvania Right to Know Substance</td>
</tr>
<tr>
<td></td>
<td>Rhode Island Right to Know Substance</td>
</tr>
</tbody>
</table>

CALIFORNIA PROPOSITION 65: No listed substance

CARCINOGEN: NA = Not Applicable

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): NA = Not Applicable

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department  Date Prepared: 11/20/2014

HMIS RATING

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>3</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>0</td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
<td>1</td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
<td>D</td>
</tr>
</tbody>
</table>

NFPA CODES

- HEALTH: 3
- FLAMMABILITY: 0
- PHYSICAL HAZARD: 1
- PERSONAL PROTECTION: D

MANUFACTURER DISCLAIMER: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.