DRAIN SOLUTION
Safety Data Sheet
according to Federal Register / Vol. 77, No. 54 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 03/20/2015   Revision date: 05/06/2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product form : Mixture
Product name : DRAIN SOLUTION
CAS No : 1310-73-2
Product code : 7620

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : Drain Opener

1.3. Details of the supplier of the safety data sheet
CANNON INDUSTRIAL PRODUCTS, INC.
P.O. Box 291344 Nashville, TN 37229-1344
PHONE: (615) 391-4046 or 1-888-879-6124
FAX: (615) 391-4051
1.4. Emergency telephone number
EMERGENCY RESPONSE: INFOTRAC (NORTH AMERICA): 1-800-535-5053
(INTERNATIONAL): 1-352-323-3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Met. Corr. 1 H290
Skin Corr. 1A H314
Eye Dam. 1 H318
Full text of H-phrases: see section 16

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US)

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : May be corrosive to metals
Causes severe skin burns and eye damage
Causes serious eye damage
Precautionary statements (GHS-US) : Keep only in original container
Do not breathe mist, spray, vapours
Wash hands, forearms and face thoroughly after handling
Wear eye protection, protective gloves, face shield
If swallowed: rinse mouth. Do NOT induce vomiting
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
If inhaled: Remove person to fresh air and keep comfortable for breathing
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present
and easy to do. Continue rinsing
Immediately call a doctor, a POISON CENTER
Specific treatment (see first aid on this label on this label)
Absorb spillage to prevent material damage
Store locked up
Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards
No additional information available
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2.4. Unknown acute toxicity (GHS-US)
Not applicable

SECTION 3: Composition/information on ingredients
3.1. Substance
Not applicable
3.2. Mixture
Full text of H-phrases: see section 16

SECTION 4: First aid measures
4.1. Description of first aid measures
First-aid measures general
Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after skin contact
Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after eye contact
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.
First-aid measures after ingestion
Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries
Causes severe skin burns and eye damage.
Symptoms/injuries after eye contact
Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media
Unsuitable extinguishing media
Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Reactivity
Corrosive vapours.

5.3. Advice for firefighters
Firefighting instructions
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting
Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures
Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment
Equip cleanup crew with proper protection.
Emergency procedures
Ventilate area.

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Absorb spillage to prevent material damage.

6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection.
# DRAIN SOLUTION

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- **Additional hazards when processed**: May be corrosive to metals.
- **Precautions for safe handling**: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing.
- **Hygiene measures**: Wash ... thoroughly after handling.

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

- **Technical measures**: Comply with applicable regulations.
- **Storage conditions**: Keep only in the original container in a cool, well ventilated place away from. Keep container closed when not in use.
- **Incompatible products**: Strong bases. Strong acids.
- **Incompatible materials**: Sources of ignition. Direct sunlight.
- **Packaging materials**: Store in corrosive resistant/... container with a resistant inner liner.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<table>
<thead>
<tr>
<th>DRAIN SOLUTION (1310-73-2)</th>
<th>ACGIH Ceiling (mg/m³)</th>
<th>2 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>URT, eye, &amp; skin irr</td>
</tr>
<tr>
<td>OSHA OSHA PEL (TWA) (mg/m³)</td>
<td>2 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

#### 8.2. Exposure controls

- **Personal protective equipment**: Safety glasses. Gloves. Face shield. Avoid all unnecessary exposure.
- **Hand protection**: Wear protective gloves.
- **Eye protection**: Chemical goggles or face shield.
- **Skin and body protection**: Wear suitable protective clothing.
- **Respiratory protection**: Wear appropriate mask.
- **Other information**: Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- **Physical state**: Liquid
- **Colour**: Colourless
- **Odour**: Almost odourless lemon-like
- **Odour threshold**: No data available
- **pH**: >= 13
- **Melting point**: No data available
- **Freezing point**: No data available
- **Boiling point**: No data available
- **Flash point**: >= 200 °F
- **Relative evaporation rate (butylacetate=1)**: No data available
- **Flammability (solid, gas)**: No data available
- **Explosive limits**: No data available
- **Explosive properties**: No data available
- **Oxidising properties**: No data available

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Vapour pressure : No data available
Relative density : No data available
Relative vapour density at 20 °C : No data available
Solubility : No data available
Log Pow : No data available
Log Kow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Corrosive vapours.

10.2. Chemical stability
Stable under normal conditions. Not established.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases. Metals. May be corrosive to metals.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified
Skin corrosion/irritation : Causes severe skin burns and eye damage.
  pH: >= 13
Serious eye damage/irritation : Causes serious eye damage.
  pH: >= 13
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
Symptoms/injuries after eye contact : Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity
No additional information available
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12.2. Persistence and degradability

DRAIN SOLUTION (1310-73-2)
Persistence and degradability Not established.

12.3. Bioaccumulative potential

DRAIN SOLUTION (1310-73-2)
Bioaccumulative potential Not established.

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Effect on the global warming : No known ecological damage caused by this product.
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Transport document description : UN1824 Sodium hydroxide solution, 8, II
UN-No (DOT) : UN1824
Proper Shipping Name (DOT) : Sodium hydroxide solution
Transport hazard class(es) (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT) : 8 - Corrosive
LTD QTY - Limited quantity

Packing group (DOT) : II - Medium Danger
DOT Packaging Bulk (49 CFR 173.xxx) : 242
DOT Packaging Exceptions (49 CFR 173.xxx) : 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 1 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 30 L
DOT Vessel Stowage Location : A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other : 52 - Stow “separated from” acids
Additional information
Emergency Response Guide (ERG) Number : 154
Other information : No supplementary information available.

ADR
No additional information available
Transport by sea
UN-No. (IMDG) : 1824
Proper Shipping Name (IMDG) : SODIUM HYDROXIDE SOLUTION
Class (IMDG) : 8 - Corrosive substances

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Packing group (IMDG) : II - substances presenting medium danger
Air transport
UN-No. (IATA) : 1824
Proper Shipping Name (IATA) : Sodium hydroxide solution
Class (IATA) : 8 - Corrosives
Packing group (IATA) : II - Medium Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

DRAIN SOLUTION (1310-73-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Not listed on the United States SARA Section 313
RQ (Reportable quantity, section 304 of EPA's List of Lists) : 1000 lb
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory
This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1996 and 40 CFR Part 372.

15.2. International regulations

CANADA
No additional information available

EU-Regulations
No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]
No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Not classified

National regulations
No additional information available

15.3. US State regulations

DRAIN SOLUTION (1310-73-2)
State or local regulations
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Revision date : 05/06/2015
Other information : None.

Full text of H-phrases:

- Eye Dam. 1 : Serious eye damage/eye irritation, Category 1
- Met. Corr. 1 : Corrosive to metals, Category 1
- Skin Corr. 1A : Skin corrosion/irritation, Category 1A
- H290 : May be corrosive to metals
- H314 : Causes severe skin burns and eye damage
- H318 : Causes serious eye damage
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NFPA health hazard
0 - Material that will not burn
3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.

HMIS Ill Rating
Health 3: Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability 0: Minimal Hazard - Materials that will not burn
Physical 1: Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Personal Protection
D
D - Face shield and eye protection, Gloves, Synthetic apron

SDS US (GHS HazCom 2012)
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.