SAFETY DATA SHEET

1. Identification

Product identifier **Hercules Sizzle**

Other means of identification

Product code **7340E**

Synonyms Part Numbers: 20305, 20310

Recommended use Drain opener and hard surface descaler

Recommended restrictions Do not mix with caustic materials or bleach

Manufacturer/Importer/Supplier/Distributor information

Company Name HCC Holdings, Inc. an Oatey Affiliate

Address 4700 West 160th Street
Cleveland, OH 44135

Telephone 216-267-7100

E-mail info@oatey.com

Transport Emergency Chemtrec 1-800-424-9300 (Outside the US 1-703-527-3887)

Emergency First Aid 1-877-740-5015

Contact person MSDS Coordinator

2. Hazard(s) identification

Physical hazards Not Classified.

Health hazards

Acute Toxicity (Oral)	Cat 4
Skin Corrosion/Irritation	Cat 1B
Eye Damage/Irritation	Cat 1
STOT-SE (Respiratory irritation)	Cat 3
Corrosive to Metals	1

OSHA defined hazards This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Label elements

Hazard symbol

Signal word Danger

Hazard statement Harmful if swallowed. Causes severe skin burns and serious eye damage.
May cause respiratory irritation. May be corrosive to metals.

Precautionary statement

Prevention
Do not breathe fume/mist/vapors/spray.
Wash hands, face and any skin contact thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not eat, drink or smoke when using this product.
Keep only in original container. Absorb spillage to prevent material damage.
Use only in a well-ventilated area.

Response
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
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.

See 4. First-Aid Measures for specific treatment.

Storage Store locked up in corrosive resistant container, in a well-ventilated place. Keep container tightly closed.

Disposal Dispose of contents/container to an approved disposal facility.

Hazard(s) not otherwise classified (HNOC) None.

3. Composition/information on ingredients

Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Chemical name	CAS number	%
Hydrochloric acid	7647-01-0	20 - 25
Water	7732-18-5	75 - 80
Other non-hazardous ingredients not specified		< 1

4. First-aid measures

General Causes burns on contact. Harmful if swallowed. Causes severe skin burns and serious eye damage. May cause respiratory irritation. Have product container/label with you when calling poison control center/doctor, or going for treatment.

Inhalation Remove person to fresh air and keep comfortable for breathing. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth to an unconscious person. If respiratory irritation, dizziness, or unconsciousness occurs, seek immediate medical assistance.

Skin contact Remove contaminated clothing and wash before reuse. Wash contaminated area with soap and water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Eye contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present,
after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Ingestion Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to a person who is unconscious or convulsing. If vomiting occurs, keep head below hips to reduce risk of aspiration. Probable mucosal damage may contraindicate the use of gastric lavage.

General information Note to physician, treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media Do not use water in a jet.

Specific hazards arising from the chemical No information available.

Special protective equipment and precautions for firefighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire fighting equipment/instructions Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Specific methods None

General fire hazards None

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Depending on the extent of release, consider the need for emergency responders with adequate personal protective equipment for clean-up, need for evacuation or restriction of access to spill area.
Personal Precautions: Provide adequate ventilation. Do not eat, drink or smoke during clean up. If necessary, use self-contained respirator, or filtered mask. Wear protective clothing, eye protection and impervious gloves (e.g. neoprene). Wash thoroughly after clean up.

Methods and materials for Small spills may be wiped up and rinsed with water. For larger spills, neutralize with sodium

containment and cleaning up carbonate or absorb on inert material (e.g. sand). Pick up absorbent and dispose of at an appropriate waste disposal facility.

Environmental precautions Prevent spills from entering storm sewers/drains or contact with soil.

7. Handling and storage

Precautions for safe handling Never use with chlorine products. Can react to give chlorine gas. If this occurs, flush toilet to remove chemicals and leave area. Do not return for half hour. Ventilate if possible. Never use or mix with other cleaners or chemicals. Do not use on any surface that can be damaged by acid materials. Do not breathe mist/vapors. Wash hands, face and any skin contact thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye protection, face protection. Use product only according to label directions. If unsure about safe use, contact your supervisor. Provide adequate ventilation in use.

Conditions for safe storage, including any incompatibilities Keep out of reach of children. Do not contaminate water, food or feed by storage and disposal. Store locked up in tightly closed, original, corrosive resistant container in a cool (10˚ - 30˚C), dry, well-ventilated area. Incompatible with alkali materials.

8. Exposure controls/personal protection

Occupational exposure limits

Exposure Limits

Components	Type	Value
Hydrochloric Acid	ACGIH – TWA	2 ppm (C)
	OSHA - PEL	5 ppm (C)

Biological limit values Data Not available.

Appropriate engineering controls Proper ventilation in accordance with good industrial hygiene should be provided.

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical resistant goggles and face protection.

Skin protection

Hand Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Other Protective clothing (long sleeves, pants), eyewash, safety shower are always advisable when working with chemicals.

Respiratory protection Respiratory protection is not necessary under normal conditions of use. If necessary to prevent exposure above occupational limits, use an approved cartridge style respirator.

Thermal hazards None.

General hygiene considerations Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and chemical properties

Appearance

Physical state Liquid

Form Liquid

Color Yellow to light amber

Odor Pungent

Odor threshold Not available.

pH <1 Neat

Melting point/freezing point <-40 °F

Initial boiling point and boiling range 195 °F

Flash point None

Upper/lower flammability or explosive limits

Flammability limit – lower (%) Not available

Flammability limit – upper (%) Not available

Explosive limit - lower (%) Not available

Explosive limit - upper (%) Not available

Vapor pressure Not available

Vapor density Not available

Relative density	1.12
Solubility(ies)	
Solubility (water)	Completely soluble.
Partition coefficient (n-octanol/water)	Not determined.
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
Viscosity, kinematic	Not determined/
Other information	
VOC (Weight %)	< 0.1% by weight, < 1 g/L

10. Stability and reactivity

Reactivity	No specific reactivity test data is available. Under normal conditions of storage and use, hazardous reactions are not expected.
Chemical stability	The product is stable.
Possibility of hazardous reaction	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Mixing with bleach, alkali, or oxidizers may generate toxic gases.
Hazardous decomposition products	Hydrogen chloride

11. Toxicological information

Acute Toxicity: Toxicity data is not available for this mixture. Data below are estimates based on summation methods.

Test	Results	Classification (A.0.4.1(c))	Basis (A.1.3.6.1)
Oral	> 350mg/kg	Category 4	Ingredient literature (Additive formula)
Dermal	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Inhalation	> 20 mg/L	Not applicable	Ingredient literature (Additive formula)
Eye Damage/Irritation	Corrosion	Category 1	Ingredient literature
Skin Damage/Irritation	Corrosion	Category 1B	Ingredient literature

Summary: Skin and eye contact are most likely routes of exposure. Exposure causes skin burns and serious eye damage. May cause respiratory tract irritation.

Subchronic/Chronic Toxicity:

Test	Results	Classification	Basis
Skin Sensitization	Not a sensitizer	Not applicable	Ingredient literature.

Summary: Repeated or prolonged contact causes skin burns and eye damage. May cause respiratory tract irritation.

Carcinogens - Ingredients are not listed on the NTP Report on Carcinogens, *IARC Monographs or by OSHA

*IARC does list “strong inorganic acid mists” as carcinogenic, but under normal conditions, no exposure to acid mists occurs. Acid solutions are not listed.

Other data - No other toxicological information is available for this mixture.

12. Ecological information

Ecotoxicity

Product/ingredient name	Results	Species	Exposure

Persistence and degradability	Material is not persistent. All organic components > 1% are readily biodegradable.
Bio accumulative potential	No evidence to suggest bio-accumulation will occur.
Mobility in soil	Accidental spillage may lead to penetration of soil and groundwater. However, due to degradability, no evidence suggests this would cause adverse ecological effects. Material will lower pH of affected area.
Other adverse effects	No known significant effects of critical hazards.

13. Disposal considerations

Disposal instructions	Do not contaminate water, food or feed by disposal. If material cannot be disposed of by use according to label directions, contact your State Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance. Rinse container after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. If container is one gallon or less, wrap empty container in plastic bag and discard in trash.
Local disposal regulations	See above
Hazardous waste code	RCRA Class D002.

14. Transportation information

DOT

UN number	UN1789
UN Proper Shipping Name	Hydrochloric acid solution
Transportation Hazard classes	8
Packing group	II
Hazard Label:	Corrosive

IATA

UN number	UN1789
UN Proper Shipping Name	Hydrochloric acid solution
Transportation Hazard classes	8
Packing group	II

IMDG

UN number	UN1789
UN Proper Shipping Name	Hydrochloric acid solution
Transportation Hazard classes	8
Packing group	II
Environmental hazards	RQ – 5000 lbs (Hydrochloric acid)
Marine polluntant	No

15. Regulatory information

Inventory status: All components are listed on TSCA(US), EINECS/ELINCS(EU), DSL(Canada), AICS(Australia), ENCS(Japan).
OSHA Hazard Communication Standard: This product meets the §1910.1200 definition of a "Hazardous Chemical".
Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Sections 311 and 312

Immediate (Acute) Health Hazard	Yes
Delayed (Chronic) Health Hazard	No
Fire Hazard	No
Reactive Hazard	No
Sudden Release of Pressure Hazard	No

Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Section 313
*Chemicals marked with an asterisk in “3. Composition/Information on Ingredients” are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372.
Pennsylvania/New Jersey/Massachusetts Right to Know
See “3. Composition/ Information on Ingredients” for hazardous and top five ingredients over 1%.
California Proposition 65: This product does not contain a listed substance known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

16. Other information, including date of preparation or last revision

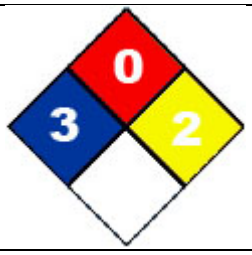
Issue Date	12-May-2015
Revision Date	-
Version #	01
HMIS Rating	Health: 1 Flammability: 1 Physical Hazards: 0

Disclaimer

HCC Holdings Inc. an Oatey Affiliate cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

Material Safety Data Sheet # 340

Hercules Chemical Company Inc.
111 South Street
Passaic NJ 07055-7398
Information Telephone: 1-800 221-9330
Internet: www.herchem.com

NFPA	HMIS	PPE	Transport Symbol
			

Preparation Date Oct 1, 2007 **Revision Date** **Revision Number** 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: HERCULES SIZZLE
Intended Use: Deliming solution

Manufacturer: Hercules Chemical Company, Inc.
111 South Street
Passaic, New Jersey 07055-7398

Information Telephone: (800) 221-9330

Internet: http://www.herchem.com

Emergency Phone: **CHEMTREC: (800) 424-9300**

MSDS Date of Preparation: **10/01/2007**

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Light yellow corrosive liquid. Ingestion causes severe burns to mouth, esophagus and stomach. If ingested, do not induce vomiting, call a doctor immediately. Vapors are extremely irritating. Corrosive to most metals with evolution of flammable hydrogen gas. Do not mix with strong alkalis such as sodium or potassium hydroxide.

Potential Health Effects.
Inhalation: Fumes from product will cause injury to respiratory tract. Severe exposure can cause lung damage.
Ingestion: Severe damage to internal organs (esophagus &pylorus) will occur if swallowed in large quantities. Call a doctor immediately.
Eye: Will cause severe eye burn.
Skin: Prolonged contact will cause skin burns.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Wt/Wt %	OSHA PEL	ACGIH TLV	Other Limits
Hydrogen Chloride	7647-01-0	30-35	5 ppm	5 ppm	50 ppm IDLH
Water	7732-18-5	65-70	N/A	N/A	

HMIS Hazard Rating: 3 0 2 H

4. EMERGENCY AND FIRST AID PROCEDURES.

Eye: Immediately flush victim's eyes with large quantities of water, for 15 minutes, holding the eyelids apart. Get medical attention.
Skin: Wash affected area with soap and water. Remove contaminated clothing. If burn/rash appears, consult with a doctor.
Ingestion: DO NOT INDUCE VOMITING. If conscious, dilute by giving large quantities of water or milk. Get medical attention immediately.
Inhalation: Call a physician. Remove to fresh air. If not breathing, give artificial respiration. Give oxygen if the victim has difficult breathing.

Note: Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flashpoint: Not flammable
Flammable Limits: N/A
Autoignition Temperature: N/A
Extinguishing Media: Water fog, Foam**,** Dry Chemical, Carbon Dioxide
Unusual Fire or Explosion Hazards: Contact with common metals may produce flammable, and potentially explosive hydrogen gas.
Special Fire-Fighting Instructions: Firefighters and others who might be exposed to products of combustion, should wear (NIOSH approved) positive pressure self-contained breathing apparatus and full protective clothing. Neutralize with soda ash or slaked lime
Hazardous Combustion Products: Hydrogen chloride gas and hydrogen.

6. ACCIDENTAL RELEASE MEASURES

Spills/Leak Control: Evacuate area, keep upwind until gas has dispersed. If necessary to enter the spill area, wear approved full face respirators with acid cartridges**.** Wear acid resistant clothing.. For large spills, wear self contained breathing apparatus and full protective clothing including shoes. Build a dike around the spill. Neutralize with Lime or Soda Ash. Clean and dispose in accordance with federal, State and Local regulations.

7. HANDLING AND STORAGE

Handling: Keep containers tightly closed and away from heat. Protect containers from damage.
Storage: Store in original containers and away from heat. Keep containers closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL 5 ppm Ceiling, **ACGIH** TLV 5 ppm Ceiling
Respiratory Protection: Full face respirator with HCL fumes cartridges for response to small spills. Self contained breathing apparatus.
Engineering Controls: Use with general or local exhaust ventilation.
Skin Protection: Wear Rubber or plastic gloves.
Eye Protection: Wear Chemical Safety goggles or Safety glasses and a face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Light Yellow liquid with a pungent acid odor.	**Boiling Point:** 181˚F **Freezing Point:** -51˚F
Physical State: liquid	**Vapor Pressure:** 35
Vapor Density: > 1.27	**Evaporation Rate:** (Butyl Acetate=1) **>** 1.0
Solubility In Water: Complete	**Volatile Components:** 100%
Specific Gravity: 1.14 to 1.16	**Viscosity** N/A
Melting Point: N/A	**pH**: below 1.

10. STABILITY AND REACTIVITY

Stability: Stable.
Conditions to avoid: Open flames, sparks, and ignition sources.
Incompatibility: Strong oxidizers such as liquid chlorine, sodium or calcium hypochlorite, and pure oxygen.
Hazardous Decomposition Products: Carbon monoxide, oxides of sulfur and other decomposition products may form from incomplete combustion.
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:
Oral LD50—900 mg/Kg rabbit
LC50—3124 ppm/ihr Rat
Inhalation: Corrosive and irritating to respiratory tract. Results in coughing, choking and inflammation of the respiratory tract.
Eye: Causes severe irritation and painful burns to the eyes and eye lids. Failure to irrigate the eyes immediately with copious amounts of water, could cause visual impairment and/or total loss of vision
Skin: Will cause severe burns unless washed off immediately. Repeated skin contact may lead to dermatitis.
Ingestion: Corrosive to mouth and stomach. Do not induce vomiting. Dilute with large amount of water.
Sensitization: None.
Chronic: Prolonged exposure to low level concentration of hydrochloric acid vapor may cause discoloration and erosion of teeth, bleeding of nose and gums, and ulcers of the nasal mucosa.
Carcinogenicity: Not a carcinogen
Mutagenicity: Not mutagenic.
Medical Conditions Aggravated by Exposure: It may also aggravate Asthma, bronchitis, emphysema, bronchial hyperactivity, skin allergies and eczema
Reproductive Toxicity: None
Acute Toxicity Values: Vapors can be fatal in enclosed areas without adequate ventilation.

12. ECOLOGICAL INFORMATION

Environmental Toxicity: This material is expected to be toxic to aquatic life.
Environmental Transport: Unknown.
Environmental Degradation: Not expected to biodegrade
Soil Absorption/Mobility: When released in the soil, it may leach into ground water.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State, and Local regulations.

14. TRANSPORT INFORMATION

DOT: Proper Shipping Name: Hydrochloric Acid, Solution
Hazard Class: 8
UN Number: 1789
Packing Group: II
RQ: 5000 lbs

15. REGULATORY INFORMATION

EPA Regulation:
TITLE 311/312 Hazard Classification
ACUTE: yes
CHRONIC: Yes
FIRE: No, REACTIVITY: No, PRESSURE: No
Extremely Hazardous substance. No
TSCA Inventory: All the components in this product are listed on the TSCA inventory.

WHMIS.
This MSDS has been prepared according to the hazard criteria of the controlled Products regulation (CPR). And the MSDS contains all of the information required by the CPR

16. OTHER INFORMATION

DISCLAIMER:
The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, Hercules cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.