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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT NAME:** FLOWEASY DRAIN CLEANER

**SYNONYMS:** N/A

**PRODUCT CODES:** HTL-FE16, HTL-FE20, HTL-FE32, HTL-FE64, HTL-FE128

**MANUFACTURER:** Hi-Tec Laboratories

**DIVISION:** Same

**ADDRESS:** 9646 Hwy 20 West Freeport Fl, 32439

**EMERGENCY PHONE:** 1-800-231-5733

**OTHER CALLS:** 1-850-835-6822

**FAX PHONE:** 1-850-835-0115

**CHEMICAL NAME:** SULFURIC ACID

**CHEMICAL FORMULA** H<sub>2</sub>SO<sub>4</sub>

**PRODUCT USE** DRAIN

**CLEANER**

**PREPARED BY:** Joe Blalock

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**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

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**INGREDIENT:** A. SULFURIC ACID

<u>CAS NO.</u>	<u>A.</u>	<u>7664-93-9</u>	<u>&gt;94.19</u>	<u>% WT</u>	<u>&gt;94.19</u>	<u>% VOL</u>	<u>SARA 313</u>
							NO

ppm

mg/m3

OSHA PEL-TWA: 1mb/m<sup>3</sup>, 8hr

ACGIH TLV-TWA: (ACGIH)

1MG/M<sup>3</sup>. 8 HR. TWA A2 STEL

3MG,

Established ACGIH TLV CEILING:

100ppm

**SECTION 2 NOTES:** DOT shipping description SULFURIC ACID 8, UN 1830, PGII

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**SECTION 3: HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:** Caution may be irritating to eyes and skin

**ROUTES OF ENTRY :** skin and eyes

**POTENTIAL HEALTH EFFECTS**

**EYES:** can cause eye irritation, Wear goggles as needed. Flush immediately with water for 15 minutes. Get medical attention if needed

**SKIN :** may cause irritation, wash off immediately with soap and water remove all contaminated clothing and shoes do not reuse until washed. Get medical attention if needed

**INGESTION:** May cause gastric disturbances or vomiting. If conscious drink lots of water. Do not induce vomiting unless directed by medical personnel. Get medical attention if needed.

**INHALATION:** May cause irritation, breathing difficulties, headaches or dizziness. Move to fresh air. Get medical attention if needed.

**ACUTE HEALTH HAZARDS:** Avoid Gastric Lavage



CHRONIC HEALTH HAZARDS:N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:N/A

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CARCINOGENICITY:  
NONE

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

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EYES: flush immediately with water for 15 minutes. Get medical attention if needed

SKIN: wash off immediately with soap and water removes all contaminated clothing and shoes

INGESTION: If conscious drink lots of water. Do not induce vomiting unless directed by medical personnel. Get medical attention if needed.

.INHALATION: Move to fresh air. Get medical attention if needed

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS :Avoid Gastric Lavage

SECTION 4 NOTES:N/A

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A  
(% BY VOLUME) LOWER: N/A

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FLASH POINT:

F: 210F

C:

METHOD USED:TCC

AUTOIGNITION TEMPERATURE:

F: N/A

C: N/A

NFPA HAZARD CLASSIFICATION

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 2

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 0

PROTECTION:B (goggle/gloves)

EXTINGUISHING MEDIA: Dry chemical or Carbon Dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Avoid skin contact and eye contact, and breathing of vapors. Wear head and body protection with respirator if exposure to liquid is likely

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Will react with most metals, especially when

dilute. Will react with organic materials,

producing heat and sulfur dioxide.

HAZARDOUS DECOMPOSITION PRODUCTS:

Releases sulfur dioxide at extremely high

temperatures.



SECTION 5 NOTES:N/A

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Larger spills should be contained by diking or other methods and held for disposal or reuse. Neutralize with limestone powder, lime or soda ash. Take up mechanically and collect in suitable container for disposal

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#### SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Check daily for any leaks from containers, vessels, pumps and piping. Store in a cool dry place

**OTHER PRECAUTIONS:** keep away from children

SECTION 7 NOTES:N/A

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:**N/A

**VENTILATION :** . Move to fresh air

**RESPIRATORY PROTECTION:**

**EYE PROTECTION:** Wear goggles as needed

**SKIN PROTECTION:** Wash off immediately with soap and water remove all contaminated clothing and shoes

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** gloves, goggles

**WORK HYGIENIC PRACTICES:**N/A

**EXPOSURE GUIDELINES:**N/A

SECTION 8 NOTES:

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#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** clear

**ODOR:** sweetish odor

**PHYSICAL STATE:** liquid

**PH AS SUPPLIED:** pH <1

**BOILING POINT:**

F: 535

**MELTING POINT:**N/A

F:

C:

**FREEZING POINT:**

F: 32F

C:

**VAPOR PRESSURE** <0.6mm hg @100F/ <0.3mm hg @77



F:  
C:

VAPOR DENSITY (AIR = 1):3.4

SPECIFIC GRAVITY (H<sub>2</sub>O = 1):1.011

EVAPORATION RATE: BASIS (=1): N/A

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (cont.)

**SOLUBILITY IN WATER: Complete**

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**PERCENT SOLIDS BY WEIGHT:1%**

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**PERCENT VOLATILE:**

BY WT/ BY VOL @ N/A

F:  
C:

**VOLATILE ORGANIC COMPOUNDS (VOC):N/A**

0 WITH WATER: LBS/GAL  
0 WITHOUT WATER: LBS/GAL

**MOLECULAR WEIGHT:**

**VISCOSITY:**

@ 25C<25cps (Brookfield)

F:  
C:

**SECTION 9 NOTES:**

#### SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

X

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**STABILITY: Stable**

**CONDITIONS TO AVOID (STABILITY):None Known**

**INCOMPATIBILITY (MATERIAL TO AVOID):** Oxidizing agents, bleach, chlorinated materials

**HAZARDOUS DECOMPOSITION OR BY- PRODUCTS:** If in Fire CO, CO<sub>2</sub>, Hydrocarbons

**HAZARDOUS POLYMERIZATION:** Does not occur

**CONDITIONS TO AVOID (POLYMERIZATION):N/A**

**SECTION 10 NOTES:N/A**

#### SECTION 11: TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION: N/A** No information available

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**SECTION 11 NOTES:**

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#### SECTION 12: ECOLOGICAL INFORMATION

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SECTION 12 NOTES:

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SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Collect in closed container and send to a licensed treatment or disposal facility. Follow all State, Federal and Local laws.

RCRA HAZARD CLASS:

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SECTION 14: TRANSPORT INFORMATION

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U.S. DEPARTMENT OF TRANSPORTATION Not Regulated

SECTION 14 NOTES:N/A

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SECTION 15: REGULATORY INFORMATION

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U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components of this product are listed on the TSCA

inventory CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): No reportable

ingredients SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

Section 311/312 Hazard Category: Acute Yes Chronic: No Fire: No Pressure: No Reactive Hazard: No

Section 313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES:N/A

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SECTION 16: OTHER INFORMATION

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OTHER INFORMATION:

2NFPA RATING: Health-3, Flammability-0, Reactivity-0

HMIS RATING: Health-3, Flammability-0, Reactivity-2

HMIS ratings are to be used with fully implemented HMIS program

PREPARATION INFORMATION: 4/22/2014

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