

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT NAME: FLOWEASY DRAIN CLEANER

SYNONYMS: N/A

PRODUCT CODES: 701,703,704,705

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

PRODUCT USE: DRAIN CLEANER

PREPARED BY: Joe Blalock

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: A. SULFURIC ACID B. C.

CAS NO. A. 766-93-9 >94.19 % WT >94.19 % VOL SARA 313

REPORTABLE

B. >1 >1

C. >1 >1 A.B.C. Not reportable

ppm mg/m3

OSHA PEL-TWA: Not Established

OSHA PEL STEL : Not Established

OSHA PEL CEILING: Not Established

ACGIH TLV-TWA: Not Established

ACGIH TLV STEL: Not Established

ACGIH TLV CEILING: 100ppm

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

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 a lot 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.

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SECTION 3: HAZARDS IDENTIFICATION (con't)

ACUTE HEALTH HAZARDS: Avoid Gastric Lavage

CHRONIC HEALTH HAZARDS:N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:N/A

CARCINOGENICITY

OSHA: N/A ACGIH: no NTP: no IARC: no

OTHER: N/A

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Flush immediatly with water for 15 minutes. Get medical attention if needed.

SKIN: Wash off immediatly with soap and water remove all contaminated clothing and shoes.

INGESTION: If conscious drink a lot 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

FLASH POINT:

F: 210F

C:

METHOD USED: TCC

AUTOIGNITION TEMPERATURE:

F: N/A

C: N/A

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0
OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0
PROTECTION: B (goggle/gloves)

EXTINGUISHING MEDIA: Water fog, CO2, halon system, foam for alcohols.

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SECTION 5: FIRE-FIGHTING MEASURES (con't)

SPECIAL FIRE FIGHTING PROCEDURES: Avoid skin 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: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION 5 NOTES: N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Small spills can be flushed into normal drainage or ground with copius 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.

SECTION 7: HANDLING AND STORAGE

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

OTHER PRECAUTIONS: Keep away from children.

SECTION 7 NOTES: N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: N/A

VENTILATION : Move to fresh air.

RESPIRATORY PROTECTION:

EYE PROTECTION: Wear goggles as needed.

SKIN PROTECTION: Wash off immediatly 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:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear.

ODOR: Sweetish oder.

PHYSICAL STATE: Liquid.

pH AS SUPPLIED: 2.5-4.0

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

pH (Other):

BOILING POINT:

F: 210F

C:

MELTING POINT:N/A

F:

C:

FREEZING POINT:

F: 32F

C:

VAPOR PRESSURE (mmHg): N/A Not Determined

@

F:

C:

VAPOR DENSITY (AIR = 1): N/A Not Determined

@

F:

C:

SPECIFIC GRAVITY (H2O = 1): 1.011

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

SOLUBILITY IN WATER: Complete

PERCENT SOLIDS BY WEIGHT: 1%

PERCENT VOLATILE:

BY WT/ BY VOL @ N/A

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): N/A

O WITH WATER: LBS/GAL

O WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT:

VISCOSITY:

@ 25C<25cps (Brookfield)

F:

C:

SECTION 9 NOTES:

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SECTION 10: STABILITY AND REACTIVITY

STABLE	UNSTABLE
X	

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, CO₂, 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

SECTION 11 NOTES: N/A

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N/A

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Collect in closed container and send to a licensed treatment or disposal facility.

RCRA HAZARD CLASS:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: Not Regulated

SECTION 14 NOTES: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

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

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

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

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SECTION 15: REGULATORY INFORMATION

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

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

NFPA RATING: Health-1, Flammability-0, Reactivity-0

HMIS RATING: Health-1, Flammability-0, Reactivity-0

HMIS ratings are to be used with fully implemented HMIS program

PREPARATION INFORMATION: N/A

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