

MATERIAL SAFETY DATA SHEET

Product Name

BioDrain XL

MSDS Date

October 19, 2012

Revision No. 00

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SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name BioDrain XL
Product ID Number DCT130790
Product Description Drain and grease trap cleaner

COMPANY IDENTIFICATION

Supplier Diversified Chemical Technologies, Inc.
 15477 Woodrow Wilson

Product Technical Information (313) 867-5444
 Detroit, MI 48238
 (313) 867-5444

24 Hour Emergency Phone Number (Health & Safety; Transportation) CHEMTREC - (800) 424-9300

SECTION 2

COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	OSHA PEL	ACGIH TLV	OTHER	% WT
Sodium dodecylbenzenesulfonate	25155-30-0	none	none		0.7 – 1.3

SECTION 3

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW May cause eye and skin irritation. Avoid contact with eyes and skin. Wash thoroughly after handling.

POTENTIAL HEALTH EFFECTS

Acute Effects

Inhalation Slight irritation to respiratory tract in full concentration and excessive intentional inhalation.
Eye Causes irritation to the eyes.
Skin Slight to moderate skin irritation in full concentration.
Ingestion May cause stomach distress, nausea or vomiting.

Chronic Effects

Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Carcinogenicity

None **IARC:** N/A **NTP:** N/A **OSHA:** N/A

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SECTION 4**FIRST AID MEASURES**

INHALATION

Remove to fresh air. Treat symptomatically.

EYE CONTACT

Remove contact lenses. Hold eyelids apart and rinse eyes with plenty of water. Get medical attention if irritation persists.

SKIN CONTACT

Rinse skin with plenty of water. Wash with soap and water. Get immediate medical attention if irritation persists.

INGESTION

Do not induce vomiting. Wash out mouth with water and obtain medical attention if symptoms or irritation occur.

SECTION 5**FIRE FIGHTING MEASURES**

Flash Point

132 °F

Flash Point Method

PMCC

Auto Ignition Temperature

N/D

Flammable Limits:

LEL - N/D

UEL - N/D

Appropriate Extinguishing Media Dry Chemical, CO2**Fire Fighting Instructions** Fire fighters should wear full protective clothing including self-contained breathing apparatus (SCBA) and protection for skin.**Hazardous Combustion Products** Irritating fumes, toxic gases and acrid smoke. Combustion can produce a variety of compounds including oxides of carbon; oxides of sulfur; and other unidentified organic and inorganic compounds.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/release.

GENERAL

Stop leak if you can do so without risk. Contain spill / release and prevent entry into sewer drains and waterways. Retain all contaminated water for removal and treatment.

SAFETY PRECAUTIONS

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/release.

SPILL OR LEAK PROCEDURES

Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

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SECTION 7**HANDLING AND STORAGE****HANDLING**

Avoid contact with skin and eyes. Handle with care under full concentration.
Wash skin thoroughly after handling.
Do not eat or drink while handling.

STORAGE

Keep containers closed when not in use.
Keep out of children's reach.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS General ventilation should be provided so that exposure to airborne contaminants are not exceeded.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection No protective equipment is needed under normal use conditions.

Hand Protection Wear rubber gloves under normal use conditions. Consult with a reputable supplier the proper type.

Skin Protection No protective equipment is needed under normal use conditions.

Eye Protection Wear safety glasses with side shields under normal use conditions.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Dark green
Physical State	Liquid
Odor	None
pH	8 - 9
Melting/Freezing Point	35.6 °F (freezing point)
Boiling Point	214 °F
Flash Point	132 °F
Evaporation Rate (water = 1)	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Density (lb/gal)	8.27 – 8.43
Specific Gravity (water = 1)	0.99 – 1.01
Solubility	Complete
Volatile Organic Compounds (%)	N/A
Viscosity (cps)	N/A

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SECTION 10**STABILITY / REACTIVITY****Chemical Stability**

Material is stable and unlikely to react in a hazardous manner during recommended storage conditions and normal conditions of use.

Reactivity / Incompatibility

Oxidizing agents. Do not mix with other chemicals. Strong acids or bases may inactivate bacterial mixture.

Hazardous Decomposition

May include and are not limited to Oxides of carbon or Oxides of sulphur.

Hazardous Polymerization

Will not occur.

SECTION 11**TOXICOLOGICAL INFORMATION****Product Toxicological Data**

LD50 (Oral)	N/D
LC50 (Inhalation)	N/D
Dermal Toxicity Data (Skin)	N/D
Skin and Eye Irritation Data	N/D
Mutation Data	N/D
Reproductive Effects Data	N/D

Ingredient Toxicological Data

LD50 (Oral)	438 mg/kg rat (sodium dodecylbenzenesulfonate)
LC50 (Inhalation)	N/AV
Dermal Toxicity Data (Skin)	N/AV
Skin and Eye Irritation Data	N/AV
Mutation Data	N/AV
Reproductive Effects Data	N/AV

SECTION 12**ECOLOGICAL INFORMATION****Product Ecological Information**

N/AV

Ingredient Ecological InformationAcute toxicity - 96 Hr LC50 *Oncorhynchus mykiss*: 10.8 mg/L (static)**SECTION 13****DISPOSAL CONSIDERATIONS****Waste Disposal**

Follow all applicable federal, state, local and provincial regulations. It is the end-user's responsibility to determine the regulatory status of waste at the time of disposal.

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SECTION 14 TRANSPORT INFORMATION

LAND (DOT)

DOT Proper Shipping Name	None Required (Not DOT-Regulated)
DOT Hazard Class	N/AP
DOT Subsidiary Risk	N/AP
DOT ID Number	N/AP
DOT Packaging Group	N/AP

SEA (IMDG)

IMDG Proper Shipping Name	None Required (Not IMDG-Regulated)
IMDG Hazard Class	N/AP
IMDG Subsidiary Risk	N/AP
IMDG ID Number	N/AP
IMDG Packaging Group	N/AP

AIR (IATA)

IATA Proper Shipping Name	None Required (Not IATA-Regulated)
IATA Hazard Class	N/AP
IATA Subsidiary Risk	N/AP
IATA ID Number	N/AP
IATA Packaging Group	N/AP

SECTION 15 REGULATORY INFORMATION

U.S. Federal Regulations

SARA Title III Section 311/312 Categorization (40 CFR 370) Acute – Immediate Hazard
SARA Title III Section 313 Categorization (40 CFR 372) *This product contains a chemical(s) subject to the reporting requirements of Section 313 of Title III of SARA:* Sodium dodecylbenzenesulfonate
Reportable quantity 1000 lbs

302 (EHS) TPQ (40 CFR 355)	None
304 CERCLA RQ (302.4)	Sodium dodecylbenzenesulfonate – 1000 lb / 454 kg / 1000 lb RQ
304 EHS RQ (40 CFR 116.4)	None

State Regulations

California Prop. 65 YES (exempt when in solution)
Identification of Prop. 65 Ingredient(s) Sodium dodecylbenzenesulfonate
Other States Sodium dodecylbenzenesulfonate – reportable quantities:
Louisiana, Massachusetts, New Jersey, New York, Pennsylvania

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SECTION 15	REGULATORY INFORMATION	continued
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OSHA CLASSIFICATION CONTROLLED

WHMIS CLASSIFICATION D2B (Stylized T)

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

National Inventories

TSCA	Yes	EINECS	N /AV
CEPA (DSL/NDL)	Yes	ENCS	N /AV
AICS	N /AV	KECI	N /AV
IECSC	N /AV	PICCS	N /AV

SECTION 16	OTHER INFORMATION
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N/D = Not Determined **N/A = Not Applicable** **N/AV = Not Available**

NFPA RATING Health (Blue): 2 Flammability (Red): 0 Reactivity (Yellow): 0

HMIS RATING Health (Blue): 2 Flammability (Red): 0 Reactivity (Yellow): 0
 PPE B

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS

Revision Changes Initial release

USER RESPONSIBILITY Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

Prepared By: Corporate EHS Department of Diversified Chemical Technologies, Inc. and Subsidiaries