



SAFETY DATA SHEET

Preparation Date: Apr 21, 2015
Supersedes Date: Sep 14, 2012

Version Number: 01

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

Product Name DCT Bio-Drain XL Natural Drain Cleaner
Product Form Liquid Ready-to-Use
Product ID Number DCT130790
PGP Number 9-56

RECOMMENDED USE AND RESTRICTIONS ON USE

Bio-active drain maintenance solution

COMPANY IDENTIFICATION

Supplier Diversified Chemical Technologies, Inc.
15477 Woodrow Wilson, Detroit, MI 48238
(313) 867-5444

EMERGENCY TELEPHONE NUMBER

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

SECTION 2

HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Product has not been tested as a whole to determine its GHS classification. Hazard categories are based on individual ingredient hazard categories. Refer Section 16 for additional GHS Phrases.

Health Hazard Class	Hazard Category
Serious Eye Damage/Eye Irritation	2
Skin Corrosion/Irritation	2

GHS LABEL ELEMENTS

Pictogram



GHS Signal Word
WARNING

GHS Hazard Phrases

Causes skin irritation.
Causes serious eye irritation.

GHS Precaution Phrases

Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases

IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs, get medical advice/attention.
If eye irritation persists, get medical advice/attention.
Take off contaminated clothing and wash before re-use.

Product Name: DCT Bio-Drain XL Natural Drain Cleaner**Issue Date:** Apr 21, 2015**GHS Storage and Disposal Phrases**

None

POTENTIAL HEALTH EFFECTS (Acute and Chronic)**Chronic:** Prolonged or repeated exposure can cause drying, defatting and dermatitis.**Acute- Inhalation** Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).**Acute-Skin Contact** May cause irritation.**Acute-Eye Contact** Causes irritation, redness and tearing.**Acute-Ingestion** May cause stomach distress, nausea or vomiting.**SECTION 3****COMPOSITION / INFORMATION ON INGREDIENTS**

CAS Number	Ingredients*	Percentage Range
25155-30-0	Sodium dodecylbenzene sulfonate	5 – 15

*Identity of other chemicals and/or exact percentage (concentration) has been withheld as a trade secret.

SECTION 4**FIRST AID MEASURES****IN CASE OF INHALATION**

Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

IN CASE OF SKIN CONTACT

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

IN CASE OF EYE CONTACT

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Assure adequate flushing by separating the eyelids with fingers. Get medical aid.

IN CASE OF INGESTION

Do NOT induce vomiting. If victim is conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. If swallowed, wash out mouth with water provided person is conscious. Get medical aid.

SIGNS AND SYMPTOMS OF EXPOSURE

The chemical, physical, and toxicological properties of the product are not investigated. To the best of our knowledge, based on ingredients, the most important known symptoms and effects are described in section 2.

NOTE TO PHYSICIAN

Treat symptomatically and supportively. It is advisable not to induce vomiting due to the risk of aspiration and it is not usually necessary unless a large amount has been ingested or it has been contaminated with another product.

SECTION 5**FIRE FIGHTING MEASURES**

Flash Point	N/A	Explosive Limits	LEL: N/D	UEL: N/D
Flash Point Method	PMCC	Auto Ignition Point	N/D	

SUITABLE EXTINGUISHING MEDIA

Use dry sand or earth to smother fire. Use extinguishing media appropriate to surrounding fire conditions. For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Product Name: DCT Bio-Drain XL Natural Drain Cleaner**Issue Date:** Apr 21, 2015**FIRE FIGHTING INSTRUCTIONS**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Use water with caution and in flooding amounts. Contact with moisture or water may generate sufficient heat to ignite nearby combustible materials. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated.

FLAMMABLE PROPERTIES AND HAZARDS No data available.**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.
National Response Center (24-HR Reporting): (800) 424-8802.

SAFETY PRECAUTIONS

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Vapors can accumulate in low areas. For industrial use only. Keep out of reach of children.

CONTAINMENT AND CLEANUP

Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions. Absorb spill with inert material and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

SECTION 7**HANDLING AND STORAGE****PRECAUTIONS TO BE TAKEN IN HANDLING**

Wash thoroughly after handling. Do not breathe dust, mist, or vapor. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale. Use with adequate ventilation. Unvented containers may develop pressure – use with caution.

PRECAUTIONS TO BE TAKEN IN STORAGE

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Protect from freeze and high temperatures (>140 °F). Keep away from sparks, heat and flame.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

CAS #	Ingredients	OSHA TWA	ACGIH TWA	Other Limits
N/A	N/A	N/A	N/A	N/A

ENGINEERING CONTROLS

The level of ventilation necessary will vary depending upon potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded. If heavy misting is present, local exhaust ventilation should be considered in addition to general mechanical ventilation.

WORK/HYGIENIC/MAINTENANCE PRACTICES

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing separate from home laundry and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping. Do not store work clothing and protective equipment in the same locker as personal clothing.

PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal use.

Product Name: DCT Bio-Drain XL Natural Drain Cleaner**Issue Date:** Apr 21, 2015

Respiratory Protection None required under normal intended conditions of product use. However, if vapors or mists are present and if engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, a NIOSH/MSHA approved respirator may be appropriate.

Hand Protection Wear appropriate protective gloves to prevent skin exposure. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. . The types of gloves to be considered for this material include: **Nitrile/Latex**.

Eye Protection Safety glasses are recommended. If splashing is likely, safety goggles or safety glasses with splash shield are recommended. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and Body Protection The types of clothing to be considered for this material include: Long-sleeved shirt and pants, at a minimum. If prolonged or repeated contact is likely, chemical-resistant clothing is recommended.

OTHER PROTECTIVE EQUIPMENT Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark Green
Physical State	Liquid
Odor	None
pH	N/A
Melting Point	N/A
Boiling Point	213.80 °F

Specific Gravity (water = 1)	N/A
Vapor Pressure	N/D
Density (calculated), lb/gal	N/AV
Evaporation Rate (water = 1)	N/D
Volatile Organic Compounds (%)	N/D
Solubility in Water	N/A

SECTION 10 STABILITY / REACTIVITY

Chemical Stability *Unstable* [] *Stable* [X]

Conditions to Avoid Do not mix with other chemicals. Strong acids or bases may inactivate bacterial mixture.

Reactivity / Incompatibility Acids, strong oxidizing agents, caustics

Hazardous Decomposition Material does not decompose at ambient temperature. Thermal decomposition can produce a variety of compounds, the nature of which will largely depend on the conditions bringing about decomposition. Incomplete combustion or thermal decomposition may be expected to generate such materials as: particulate matter and unburned, hydrocarbons; oxides of carbon, sulfur; and other unidentified organic and inorganic compounds.

Hazardous Reactions *Will occur* [] *Will not occur* [X]

SECTION 11 TOXICOLOGICAL INFORMATION**CARCINOGENICITY**

Product is not tested for carcinogenicity. No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen, except as identified below;

IARC: Not Listed**ACGIH:** Not Listed**NTP:** Not Listed**PRODUCT TOXICOLOGICAL DATA**

Product is not tested for classification under the following categories:

LD50 (Oral), LC50 (Inhalation), Dermal Toxicity (Skin), Skin Corrosion/Irritation, Serious Eye Damage/Irritation, Respiratory/ Skin Sensitization, Germ Cell Mutagenicity, Carcinogenicity, Reproductive Toxicity, STOT-single exposure, STOR-repeated exposure, Aspiration Hazard

Product Name: DCT Bio-Drain XL Natural Drain Cleaner**Issue Date:** Apr 21, 2015**INGREDIENT TOXICOLOGICAL DATA**

No ingredients present at levels greater than or equal to 0.1% trigger the hazard rating or classify under the following categories, unless indicated below:

LD50 (Oral), LC50 (Inhalation), Dermal Toxicity (Skin), Skin Corrosion/Irritation, Serious Eye Damage/Irritation, Respiratory/ Skin Sensitization, Germ Cell Mutagenicity, Carcinogenicity, Reproductive Toxicity, STOT-single exposure, STOR-repeated exposure, Aspiration Hazard

SECTION 12 ECOLOGICAL INFORMATION

General Ecological Information	N/AV.	Persistence and Degradability	N/AV
Bioaccumulative Potential	N/AV.	Mobility in Soil	N/AV

SECTION 13 DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Contact a licensed professional waste disposal service to dispose of this material. Preferred method of disposal is to dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Contaminated Packaging	Dispose of as unused product.
Empty Containers	Clean empty containers of any residue per 40CFR261.7 guidelines and either recycle containers or dispose of in normal trash.

SECTION 14 TRANSPORT INFORMATION

	LAND (US DOT)	MARINE (IMDG)	AIR (IATA)
Proper Shipping Name	N/A		
Hazard Class	N/A		
ID Number	N/A		
Packaging Group	N/A		

Additional Information**DOT Quantity Limitation:** N/A**DOT Label for Limited Quantities:** N/A**SECTION 15 REGULATORY INFORMATION****EPA SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986) LISTS**

[302 (EHS) TPQ, 304 CERCLA RQ, 304 EHS RQ, 313 (TRI)]

None of the ingredients above 1% concentration and 0.1% for carcinogens are identified in the lists, except:

25155-30-0; Sodium dodecylbenzene sulfonate – 304 (RQ): 1000 lb

SARA TITLE III SECTION 311/312 CATEGORIZATION (40 CFR 370)	Yes	No
Acute (immediate) Health Hazard	X	
Chronic (delayed) Health Hazard		X
Fire Hazard		X
Sudden Release of Pressure Hazard		X
Reactive Hazard		X

Product Name: DCT Bio-Drain XL Natural Drain Cleaner

Issue Date: Apr 21, 2015

STATE AND OTHER US EPA REGULATIONS

California Prop. 65 - N/A

WHMIS CLASSIFICATION (1988) 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
CAA HAP, ODC	No
CWA NPDES	No
CEPA (DSL/NDL)	Yes
KECI	N/D

AICS	N/D
IECSC	N/D
EINECS	N/D
ENCS	N/D
PICCS	N/D

SECTION 16

OTHER INFORMATION

ADDITIONAL GHS PHRASES

GHS phrases provided below are in addition to the phrases available in Section 2. GHS phrases are identified in accordance with GHS regulations and are triggered for each hazard category.

Specific treatment see ... on this label.

NFPA RATING Health (Blue): 2 Flammability (Red): 0 Reactivity (Yellow): 0 Specific Hazard(s) (White): None

HMIS RATING Health (Blue): 2 Flammability (Red): 0 Reactivity (Yellow): 0 Personal Protective Equipment: A or B

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS

EU format MSDS to GHS format SDS; Ingredient/percentage

USER RESPONSIBILITY It is the user's responsibility to determine the suitability and adopt precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of this product.

PREPARED BY

Corporate Environment/Health and Safety Department of Diversified Chemical Technologies, Inc. and Subsidiaries

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