# **CUBLEN D 4217 - US**

Issue Date: June 4, 2015

Version: 1.0 Page 1 of 7

## 1 - Product and Company Identification

**Product name:** Cublen D 4217 – US

Product type/usage/industry: Aqueous solution of a salt of an aminophosphonic acid

Manufacturer/Supplier Information: Zschimmer and Schwarz, Inc.

70 GA Hwy. 22 W Milledgeville, GA 31061 Phone: (478) 454-1942

Emergency contact: Company: (478) 454-1942

**CHEMTREC (24HR):** (800) 424-9300

## 2 - Hazards Identification

<u>Classification of the substance or mixture:</u> Classification of this substance/mixture is based on

29 CFR 1910.1200/HazCom 2012 (GHS-US)

Not classified

**Labelling:** 

Signal Word: Hazard Symbols:

None None

Precautionary Statements: P262: Do not get in eyes, on skin, or on clothing

P302+352: IF ON SKIN: Wash with plenty of soap and water. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue

insing.

P314: Get medical advice/attention if you feel unwell.

**Key to Hazard Categories:** 

1=Severe Hazard 2=Serious Hazard 3=Moderate Hazard 4=Slight Hazard 5=Minimal Hazard

## 3 - Composition/Information on Ingredients

CAS Number Material or component Avg % weight

(22042-96-2) Diethylenetriamine penta(methylene phosphonic acid) heptasodium salt 45 – 55%

This is not intended to be a complete compositional disclosure. Information provided pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200/ HazCom 2012). See Section 8 for Exposure Limits, if any.

# **CUBLEN D 4217 – US**

Issue Date: June 4, 2015

Version: 1.0 Page 2 of 7

#### 4 - First Aid Measures

Eyes: Rinse cautiously with water for several (15) minutes. Remove contact lenses if present and easy to do - continue

rinsing. If eye irritation persists: get medical advice/attention.

Skin: Wash affected area with soap and water. If itching or redness develops, seek medical attention. Contaminated

clothing should be removed immediately and washed before reuse. Contaminated shoes should be discarded.

Inhalation: Move the person to fresh air. If breathing becomes difficult, contact a physician.

Ingestion: Do not induce vomiting. If large amounts were swallowed, give water to rinse mouth and get medical attention if

you feel unwell.

#### 5 - Firefighting Measures

**Extinguishing Media:** Water spray, dry chemical, alcohol foam, or carbon dioxide.

**Unsuitable Extinguishing Media:** None known.

**Special Protective Equipment for** 

Firefighters:

Self-contained breathing apparatus and protective clothing when fighting any

chemical fire.

**Unusual Fire & Explosion Hazards:** In case of fire, containers may explode from internal pressure. Cool with water.

May emit toxic fumes of CO<sub>x</sub>, PO<sub>x</sub> and NO<sub>x</sub> under fire conditions.

#### 6 - Accidental Release Measures

**Personal precautions:** Avoid breathing mists of product. Do not get in eyes, on skin, or on clothing. Wash

thoroughly after handling. Wear protective gloves/eye protection.

**Environmental precautions:** P273: Avoid release to the environment

Limit leakage with earth or sand. Do not discharge into the drains/surface

water/groundwater. Dispose of absorbed material in accordance with local, state

and federal regulations.

Take up with absorbent material (e.g. vermiculite, general purpose binder). **Methods for Containment/Cleaning Up:** 

Dispose of absorbed material in accordance with local, state, and federal

regulations.

## 7 - Handling and Storage

Handling: P261: Avoid breathing mists/vapors of product

P262: Do not get in eyes, on skin, or on clothing

P264: Wash thoroughly after handling P280: Wear protective gloves/eye protection.

Storage: P402+404: Store in a dry place. Store in a closed container

P403+233: Store in a well ventilated place. Keep container tightly closed.

P406: Store in a corrosive resistant container with a resistant inner liner. **Special Packaging Requirements:** 

Do not use iron, steel, copper / copper-alloys or light alloy receptacles.

Oxidizers, alkaline materials, light metals.

**Incompatible Materials or Fire/Explosion Protection:** 

# **CUBLEN D 4217 - US**

Issue Date: June 4, 2015

Version: 1.0 Page 3 of 7

#### 8 - Exposure Controls/Personal Protection

Personal Protective Equipment (PPE):

**Hand Protection:** Use impervious gloves.

Eye Protection: Wear safety glasses with side shields or full face shield.

**Skin Protection:** Wear protective clothing.

**Respiratory Protection:** Recommended if ventilation is limited.

**Engineering Measures/Controls:** 

**Ventilation:** Ensure adequate ventilation to maintain product at acceptable airborne levels.

Other measures: Eye-wash station.

**Exposure Limits/Guidelines:** 

Material CAS # BASIS TYPE VALUE

None

## 9 - Physical and Chemical Properties

Form and Appearance: Clear, amber to brown liquid Odor: Characteristic

pH: ~7.0 **Odor Threshold:** N/D **Boiling Point:** ~ 212°F (100°C) Melting/Freezing point: N/D Vapor Pressure: N/D Vapor Density (Air=1): N/A Flash Point: **Evaporation Rate:** N/D N/A UEL: LEL: N/A N/A

Viscosity: N/D Solubility in Water: Miscible

Octanol/Water Partition
Coefficient:

Specific Gravity/
Bulk Density:

~1.38 @ 25°C

Auto-ignition temperature:N/DDecomposition Temperature:N/DVolatile content:N/DVOC Data:N/D

#### 10 - Stability and Reactivity

**Chemical Stability:** Product is stable under ordinary conditions of use and storage.

Hazardous Polymerization: Will not occur.

**Conditions to Avoid:** Extreme temperatures.

Incompatible Materials: Oxidizers, alkaline materials, light metals.

**Hazardous Decomposition Products:** Extremely high temperatures and fire conditions may produce CO<sub>x</sub>, PO<sub>x</sub>, and NO<sub>x</sub>.

# **CUBLEN D 4217 - US**

11 - Toxicological Information

Issue Date: June 4, 2015

Version: 1.0 Page 4 of 7

Acute Data:							
Principle Routes of Exposure:		Eye contact, skin contact, ingestion, inhalation (mist).					
Acute Toxicity							
Route of exposure:	Test type:	Species:	Results:	Comments:			
Oral	LD50	Rat	>5000 mg/kg	-			
Dermal	LD50	Rabbit	>5000 mg/kg	-			

Irritation and Corrosion								
Target organ:	Species:	Results:	Comments:					
Eyes	Human	Mildly irritating to some individuals	-					
Skin	Rabbit	Non-irritating	Prolonged or repeated skin contact may cause irritation in some individuals.					
<u>Sensitization</u>								
Target organ:	Species:	Results:	Comments:					

Target organ:	Species:	Results:	Comments:
Skin	Human	No effects known	-

Specific Target Organ Toxicity – Single Exposure							
Target organ:	Species:	Results:	Comments:				
NDA			-	_			

#### **Chronic Data:**

IARC	NTP	ACGIH	OSHA
No	No	No	No
Mutagenicity	NDΛ		

Mutagenicity: NDA

**Reproductive Effects:** NDA

**Target Organ Effects:** NDA

# **CUBLEN D 4217 - US**

Issue Date: June 4, 2015

Version: 1.0 Page 5 of 7

# 12 - Ecological Information

**Acute Aquatic Toxicity** 

 Species:
 Test type:
 Exposure time:
 Results:
 Comments:

 Salmo gairdneri
 LC50
 96h
 >180 mg/l

 Daphnia magna
 EC50
 48h
 >240 mg/l

**Environmental Fate** 

Persistence/Degradability: This product is not readily biodegradable.

COD/BOD5: NDA

**Bioaccumulation Potential:** This product is not expected to bioaccumulate.

Mobility in Soil: Low.
Other Adverse Effects: NDA

## 13 - Disposal Considerations

**Product:** Dispose of absorbed material/content and/or container in accordance with local,

state, federal and/or international regulations.

Packaging: NDA

# **CUBLEN D 4217 - US**

Issue Date: June 4, 2015

Version: 1.0 Page 6 of 7

## 14 - Transport Regulations

## **US DOT Regulations (Land Transport):**

Proper Shipping Name:

Hazard Class:

UN Number:

Packing Group:

Label Required:

Other Information:

Not regulated

Not regulated

Not regulated

Not regulated

#### IATA/ICAO Regulations (Air Transport):

Proper Shipping Name:

Hazard Class:

UN Number:

Packing Group:

Label Required:

Other Information:

Not regulated

Not regulated

Not regulated

Not regulated

#### **IMDG/IMO Regulations (Maritime Transport):**

**Proper Shipping Name:** Not regulated **Hazard Class:** Not regulated **UN Number:** Not regulated Not regulated **Packing Group: Label Required:** Not regulated **EMS Number:** Not regulated Segregation Groups: Not regulated Marine Pollutant (Y/N): Not regulated Other Information: Not regulated

# **CUBLEN D 4217 – US**

Issue Date: June 4, 2015

Version: 1.0 Page 7 of 7

## 15 - Regulatory Information

**Domestic Regulations** 

Components requiring notification

**SARA 302 (TPQ) SARA 304 (RQ) SARA 313** CERCLA (RQ) CAA 112(b) HAPS CAA 112(r)

None None None None None None

SARA 311/312 Hazard Categorization: None.

**State Information** 

California Proposition 65: May contain the following components known to the State of California to cause

cancer, birth defects, or other reproductive harm.

None.

State Right to Know/ **Hazardous Substance List** 

Information:

The following chemicals are present on one or more Right to Know/Hazardous

Substance Lists for the states of MA, MN, NJ, PA and RI,

None.

This is not an exhaustive list. For information on listings in other states, please

consult that state's RTK/HSL.

**Chemical Inventories** 

United States	EUROPE (EINECS/	Australia (AICS)	Philippines (PICCS)	Canada		Korea (ECL)	Japan (ENCS/	China (IECSC)	New Zealand
(TSCA)	ELINCS/ NLP)			DSL	NDSL		ISHL)		(NZIoC)
Yes	Yes	Yes	NDA	Yes	No	Yes	Yes	Yes	Yes

#### 16 - Additional Information

**Key to Abbreviations:** 

NDA -N/D -N/E -No data available Not determined N/A -Not applicable Not established

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