CUBLEN P 40 NA - US

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1 - Product and Company Identification

Product name: Cublen P 40 NA – US

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

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

29 CFR 1910.1200/HazCom 2012 (GHS-US)

Corrosive to Metals	Category 1	H290	May be corrosive to metals	
Serious Eye Damage/Irritation	Category 2A	H319	Causes serious eye irritation	

Labelling:

Signal Word: Hazard Symbols:

WARNING!



Precautionary Statements: P234: Keep only in original container.

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

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses if present and easy to do – continue rinsing. P337+313: If eye irritation persists get medical advice/attention.

P390: Absorb spillage to prevent material damage.

P406: Store in a corrosive resistant container with a resistant inner liner.

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
40372-66-5Material or component
2-Phosphonobutane-1,2,4-tricarboxylic acid, tetrasodium saltAvg % weight
35 – 50%

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.

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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: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or a rash

occurs: Get medical advice/attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory

symptoms: Call a POISON CENTER or doctor/physician.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician 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_x and PO_x under fire conditions.

6 - Accidental Release Measures

Personal precautions: Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep people

away from and upwind of spill/leak. Wear protective gloves/protective clothing/eye

protection/face protection. Wash thoroughly after handling.

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.

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

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/protective clothing/eye protection/face 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.

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

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

time storage stainless steel containers are acceptable.

Incompatible Materials or Fire/Explosion

Protection:

Do not store together with acids. Do not use iron, steel, copper / copper-alloys or

light alloy receptacles. For short time storage stainless steel containers are

acceptable.

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8 - Exposure Controls/Personal Protection

Personal Protective Equipment (PPE):

Hand Protection: Use impervious gloves.

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

Wear protective clothing. **Skin Protection:**

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

Engineering Measures/Controls:

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

Other measures: Eye-wash station.

Exposure Limits/Guidelines:

CAS# **TYPE VALUE** Material **BASIS**

None

9 - Physical and Chemical Properties

Clear, colorless to pale yellow Odor: Characteristic Form and Appearance: liquid

pH: ~ 8.5 @ 1% Odor Threshold: N/D

~ 212°F (100°C) Melting/Freezing point: ~ 0.5°F (-18°C) **Boiling Point:**

Vapor Pressure: Vapor Density (Air=1): N/D N/A Flash Point: N/A **Evaporation Rate:** N/D **UEL:** LEL: N/A N/A Solubility in Water: Soluble Viscosity: < 50 cps

Octanol/Water Partition Specific Gravity/ N/D ~1.35

Bulk Density: Coefficient:

Decomposition **Auto-ignition temperature:** N/D N/D Temperature: **VOC Data:** Volatile content: N/D 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: Exposure to acids, temperatures above 302°F (150°C).

Incompatible Materials: Acids.

Hazardous Decomposition Products: Extremely high temperatures and fire conditions may produce CO_x and PO_x.

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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	>4000 mg/kg	H303: May be harmful if swallowed		
Dermal	LD50	Rat	>6300 mg/kg	-		

Irritation and Corrosion

Target organ:	Species:	Results:	Comments:		
Eyes	Rabbit	Serious irritation	-		
Skin	-	Mildly irritation possible in some individuals	-		
Sensitization					
Target organ:	Species:	Results:	Comments:		
Skin	Human	No effects known	-		

Specific Target Organ Toxicity - Single Exposure

Target organ:	Species: Results:		Comments:	
None			-	

Chronic Data:

Carcinogenicity

IARC	NTP	ACGIH	OSHA	
No	No	No	No	
Mutagenicity:	ND.	A		

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Reproductive Effects: NDA

Target Organ Effects: NDA

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12 - Ecological Information

Acute Aquatic Toxicity

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

 Salmo gairdneri
 LC50
 96h
 >1000 mg/l

 Daphnia magna
 EC50
 48h
 220 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: NDA
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

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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.

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.

Not regulated.

IMDG/IMO Regulations (Maritime Transport):

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

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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: Acute Health Hazard

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.

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/	IECS/ (AICS) (PICCS)		nada	Korea (ECL)	(ECL) (ENCS/	China (IECSC)	New Zealand	
(TSCA)	ELINCS/ NLP)			DSL	NDSL		ISHL)		(NZIoC)
Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes

16 - Additional Information

Key to Abbreviations:

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

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