

**1 - Product and Company Identification**

**Product name:** Cublen P 86 NA P – US

**Product type/usage/industry:** 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)**

Not classified

**Labelling:**

**Signal Word:**

None

**Hazard Symbols:**

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 rinsing.  
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**  
40372-66-5

**Material or component**  
2-Phosphonobutane-1,2,4-tricarboxylic acid, tetrasodium salt

**Avg % weight**  
> 85%

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.

#### **4 - First Aid Measures**

<b>Eyes:</b>	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.
<b>Skin:</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or a rash occurs: Get medical advice/attention.
<b>Inhalation:</b>	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.
<b>Ingestion:</b>	Rinse mouth and drink 1 to 2 glasses of water. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

#### **5 - Firefighting Measures**

<b>Extinguishing Media:</b>	Water spray, dry chemical, alcohol foam, or carbon dioxide.
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Special Protective Equipment for Firefighters:</b>	Self-contained breathing apparatus and protective clothing when fighting any chemical fire.
<b>Unusual Fire &amp; Explosion Hazards:</b>	In case of fire, containers may explode from internal pressure. Cool with water. May emit toxic fumes of CO <sub>x</sub> and PO <sub>x</sub> under fire conditions.

#### **6 - Accidental Release Measures**

<b>Personal precautions:</b>	Avoid creating or breathing dusts of product. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wear protective gloves/eye protection.
<b>Environmental precautions:</b>	P273: Avoid release to the environment Limit leakage. Do not discharge into the drains/surface water/groundwater. Dispose of absorbed material in accordance with local, state and federal regulations.
<b>Methods for Containment/Cleaning Up:</b>	Take up mechanically (e.g. shovel, vacuum with HEPA filter). Dispose of material in accordance with local, state, and federal regulations.

#### **7 - Handling and Storage**

<b>Handling:</b>	P261: Avoid breathing dusts 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
<b>Storage:</b>	P402+404: Store in a dry place. Store in a closed container P403+233: Store in a well-ventilated place. Keep container tightly closed.
<b>Special Packaging Requirements:</b>	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.
<b>Incompatible Materials or Fire/Explosion Protection:</b>	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.

## 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:	White to yellow powder	Odor:	Characteristic
pH:	~ 5.0 @ 1%	Odor Threshold:	N/D
Boiling Point:	N/D	Melting/Freezing point:	N/D
Vapor Pressure:	N/D	Vapor Density (Air=1):	N/A
Flash Point:	N/A	Evaporation Rate:	N/D
UEL:	N/A	LEL:	N/A
Viscosity:	N/A	Solubility in Water:	Soluble
Octanol/Water Partition Coefficient:	N/D	Specific Gravity/ Bulk Density:	~0.45
Auto-ignition temperature:	N/D	Decomposition Temperature:	N/D
Volatile content:	N/D	VOC 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:	None known.
Incompatible Materials:	Exposure to strong acids, oxidizers, metals.
Hazardous Decomposition Products:	Extremely high temperatures and fire conditions may produce CO <sub>x</sub> and PO <sub>x</sub> .

### 11 - Toxicological Information

#### 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	>2000 mg/kg	H303: May be harmful if swallowed
Dermal	LD50	Rabbit	>4000 mg/kg	-

#### Irritation and Corrosion

Target organ:	Species:	Results:	Comments:
Eyes	Rabbit	Mildly irritation possible	Due to mechanical irritation
Skin	Rabbit	Non-irritating	-

#### Sensitization

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

#### Specific Target Organ Toxicity – Single Exposure

Target organ:	Species:	Results:	Comments:
NDA			-

#### Chronic Data:

#### Carcinogenicity

IARC	NTP	ACGIH	OSHA
No	No	No	No

**Mutagenicity:** NDA

**Reproductive Effects:** NDA

**Target Organ Effects:** NDA

## **12 - Ecological Information**

### **Acute Aquatic Toxicity**

<b>Species:</b>	<b>Test type:</b>	<b>Exposure time:</b>	<b>Results:</b>	<b>Comments:</b>
Cyprinodon variegatus	LC50	96h	>100 mg/l	-
Daphnia magna	EC50	48h	>100 mg/l	-

### **Environmental Fate**

<b>Persistence/Degradability:</b>	This product is not readily biodegradable.
<b>COD/BOD5:</b>	NDA
<b>Bioaccumulation Potential:</b>	This product is not expected to bioaccumulate.
<b>Mobility in Soil:</b>	NDA
<b>Other Adverse Effects:</b>	NDA

## **13 - Disposal Considerations**

<b>Product:</b>	Dispose of absorbed material/content and/or container in accordance with local, state, federal and/or international regulations.
<b>Packaging:</b>	NDA

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<b>14 - Transport Regulations</b>
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**US DOT Regulations (Land Transport):**

<b>Proper Shipping Name:</b>	Not regulated.
<b>Hazard Class:</b>	Not regulated.
<b>UN Number:</b>	Not regulated.
<b>Packing Group:</b>	Not regulated.
<b>Label Required:</b>	Not regulated.
<b>Other Information:</b>	Not regulated.

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

<b>Proper Shipping Name:</b>	Not regulated.
<b>Hazard Class:</b>	Not regulated.
<b>UN Number:</b>	Not regulated.
<b>Packing Group:</b>	Not regulated.
<b>Label Required:</b>	Not regulated.
<b>Other Information:</b>	Not regulated.

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

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

## 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 (TSCA)	EUROPE (EINECS/ELINCS/NLP)	Australia (AICS)	Philippines (PICCS)	Canada		Korea (ECL)	Japan (ENCS/ISHL)	China (IECSC)	New Zealand (NZIoC)
				DSL	NDSL				
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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**Date of Issue:** March 26, 2015

**Date of last revision:** May 11, 2015