

# SAFETY DATA SHEET

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## 1. IDENTIFICATION

**Product identifier** 

Product Name CuVer ® 1 Copper Reagent

Other means of identification

Product Code(s)

2105869 L8605

Safety data sheet number M00066

Component of Kits or Sets 2105828; 2105828K; 2105869Q; 2507700; 2507800; 2508200; 2508300; 251235;

251235K; 251237; 251237K; 251239; 251239K; 2681300; 2690200; 2690400; 2690600; 2922400; 2922400K; 2922401K; 2922500K; 2922500K; 2922501K; 2922600; 2922600K; 2922601K; 2922601K; 2922601K; 2922600K; 2922600K; 2922600K; 2922601K; 2922601K; 2922600K; 292260K; 29260K; 29

5870019RGT

Recommended use of the chemical and restrictions on use

**Recommended Use** Laboratory Use. Low range copper determination.

Uses advised against None. Restrictions on use None.

Details of the supplier of the safety data sheet

**Manufacturer Address** 

Hach Company P.O.Box 389 Loveland, CO 80539 USA (970) 669-3050

Emergency telephone number

(303) 623-5716 - 24 Hour Service (515)232-2533 - 8am - 4pm CST

**Product Information** 

Chemical Name
Not applicable
Formula
Not applicable
CAS No
Not applicable
Not applicable
Not applicable
Not applicable
Not applicable
None reported

### 2. HAZARDS IDENTIFICATION

## Classification

#### **Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

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### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

#### Signal word - Warning



#### **Hazard statements**

H302 - Harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

# Precautionary statements

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P330 - Rinse mouth

P501 - Dispose of contents/ container to an approved waste disposal plant

# Other Information

Not applicable

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Not applicable

### **Mixture**

### Percent ranges are used where confidential product information is applicable.

Chemical Name	CAS No	Percent	HMRIC #
		Range	
Sodium phosphate dibasic	7558-79-4	30 - 50	ı
Phosphoric acid, potassium salt (1:1)	7778-77-0	30 - 50	-
[2,2-Biquinoline]-4,4-dicarboxylic acid, dipotassium salt	63451-34-3	1 - 5	

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### 4. FIRST AID MEASURES

**Description of first aid measures** 

General advice In case of accident or unwellness, seek medical advice immediately (show directions for

use or safety data sheet if possible).

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. If symptoms persist, call a physician.

Skin contact IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin

with water/shower. If symptoms persist, call a physician.

Inhalation IF INHALED: Remove person to fresh air and keep comfortable for breathing. If symptoms

persist, call a physician.

Ingestion IF SWALLOWED: Rinse Mouth. If symptoms persist, call a physician.

Self-protection of the first aider

Use personal protective equipment as required. Ensure that medical personnel are aware

of the material(s) involved and take precautions to protect themselves.

Most important symptoms and effects, both acute and delayed

Symptoms See Section 11: TOXICOLOGICAL INFORMATION.

Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

## **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

#### Flammable properties

During a fire, irritating and highly toxic gases may be generated by thermal decomposition.

#### Specific hazards arising from the chemical

None reported.

**Hazardous combustion products** 

Phosphorus oxides. sodium monoxide. carbon monoxide, carbon dioxide. nitrogen oxides. potassium oxides.

# Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# **6. ACCIDENTAL RELEASE MEASURES**

**U.S. Notice**Only persons properly qualified to respond to an emergency involving hazardous

substances may respond to a spill according to federal regulations (OSHA 29 CFR

1910.120(a)(v)) and per your company's emergency response plan and

guidelines/procedures. See Section 13, Special Instructions for disposal assistance. Outside of the US, only persons properly qualified according to state or local regulations

should respond to a spill involving chemicals.

**EC Notice** Only persons properly qualified to respond to an emergency involving hazardous

substances should respond to a spill involving chemicals. See Section 13, Special

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Instructions for disposal assistance.

WHMIS Notice Only persons properly qualified to respond to an emergency involving hazardous

substances should respond to a spill involving chemicals. See Section 13, Special

Instructions for disposal assistance.

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Do not touch or walk through spilled material. Ventilate

affected area. Use personal protective equipment as required.

Environmental precautions

**Environmental precautions** Avoid release to the environment. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Cover with plastic sheet to prevent

spreading.

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal. Clean contaminated

surface thoroughly. Dispose of in accordance with local, state and federal regulations or

laws.

Emergency Response Guide Number Not applicable

# 7. HANDLING AND STORAGE

Precautions for safe handling

**Advice on safe handling**Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly

labeled containers.

Flammability class Not applicable

**Incompatible materials** Strong oxidizing agents. Strong acids. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

**Legend** See section 16 for terms and abbreviations

Appropriate engineering controls

Engineering Controls Showers

Eyewash stations Ventilation systems

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# Individual protection measures, such as personal protective equipment

**Eye/face protection** Avoid contact with eyes. Wear tight sealing safety goggles and/or face protection shield.

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. Regular cleaning of equipment, work area

and clothing is recommended.

#### **Environmental exposure controls**

Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state Solid

Gas Under Pressure Not classified according to GHS criteria

Appearance powder Color White to yellow

Odor Odorless Odor threshold No data available

Property Values Remarks • Method

Molecular weight No data available

**pH** 6.5 5% Solution

Melting point/freezing point

No data available

Boiling point / boiling range

No data available

Evaporation rateNot applicableVapor pressureNot applicableVapor density (air = 1)Not applicable

Specific gravity (water = 1 / air = 1) 2.32

Partition Coefficient (n-octanol/water) No data available

**Soil Organic Carbon-Water Partition** 

Coefficient

No data available

Autoignition temperature No data available

Decomposition temperature 182 °C

Dynamic viscosity

Not applicable

Kinematic viscosity

Not applicable

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## Solubility(ies)

## Water solubility

Water solubility classification	Water solubility_	Water Solubility Temperature	
Soluble	> 1000 mg/L	25 °C / 77 °F	

#### Solubility in other solvents

<u>C</u>	Chemical Name	Solubility classification	<u>Solubility</u>	Solubility Temperature
	Acid	Soluble	> 1000 mg/L	25 °C / 77 °F
	Ethyl alcohol	Slightly soluble	> 0.1 mg/L	25 °C / 77 °F

Other Information

Metal Corrosivity

Not classified as corrosive to metal according to GHS criteria

Steel Corrosion Rate Not applicable

Aluminum Corrosion Rate Not applicable

Volatile Organic Compounds (VOC) Content Not applicable.

Bulk density

No data available

Explosive properties Not classified according to GHS criteria.

**Explosion data** May be combustible at high temperature.

Upper explosion limit

No data available

Lower explosion limit

No data available

Flammable properties During a fire, irritating and highly toxic gases may be generated

by thermal decomposition.

Flammability Limit in Air

Upper flammability limit:No data availableLower flammability limit:No data available

Flash point Not applicable

Method No information available

Oxidizing properties Not classified according to GHS criteria.

Reactivity propeties Not classified as self-reactive, pyrophoric, self-heating or emitting

flammable gases in contact with water according to GHS criteria.

### 10. STABILITY AND REACTIVITY

# Reactivity propeties

Not classified as self-reactive, pyrophoric, self-heating or emitting flammable gases in contact with water according to GHS criteria

#### **Chemical stability**

Stable under recommended storage conditions.

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## Special dangers of the product

None reported

# Possibility of Hazardous Reactions

None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

#### **Conditions to avoid**

Avoid creating dust. Heating to decomposition. Excess moisture.

#### **Incompatible materials**

Strong oxidizing agents. Strong acids. Strong bases.

### **Hazardous Decomposition Products**

Carbon dioxide. Carbon monoxide. sodium oxides. Phosphorus oxides. potassium oxide. nitrogen oxides.

#### **Explosive properties**

Not classified according to GHS criteria. May be combustible at high temperature.

Upper explosion limit No data available

Lower explosion limit No data available

#### **Autoignition temperature**

No data available

# Sensitivity to Static Discharge

None reported

## **Sensitivity to Mechanical Impact**

None reported

# 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

Product Information	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.
Inhalation	No known effect based on information supplied.
Eye contact	Severely irritating to eyes.
Skin contact	Causes skin irritation.
Ingestion	Harmful if swallowed. Ingestion may cause irritation to mucous membranes.
Aggravated Medical Conditions	Skin disorders. Eye disorders.
Toxicologically synergistic products	None known.
Toxicokinetics, metabolism and distribution	See ingredients information below.

Chemical Name	Toxicokinetics, metabolism and distribution
Sodium phosphate	Phosphates are widely utilized by cells for metabolism of proteins, fats and carbohydrates.
dibasic	
(30 - 50)	
CAS#: 7558-79-4	

### **Product Acute Toxicity Data**

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Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	1,206.00 mg/kg			
ATEmix (dermal)	11,317.00 mg/kg			

### **Ingredient Acute Toxicity Data**

**Oral Exposure Route** 

OTAL EXPOSATO NOTAL								
Chemical Name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data			
Sodium phosphate dibasic (30 - 50) CAS#: 7558-79-4	Rat LD <sub>50</sub>	17000 mg/kg	None reported	None reported	RTECS (Registry of Toxic Effects of Chemical Substances)			
Phosphoric acid, potassium salt (1:1) (30 - 50) CAS#: 7778-77-0	Rat LD <sub>50</sub>	2820 mg/kg	None reported	None reported	HSDB (Hazardous Substances Data Bank)			
Chemical Name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data			
Phosphoric acid, potassium salt (1:1) (30 - 50) CAS#: 7778-77-0	Mouse LD <sub>50</sub>	1700 mg/kg	None reported	None reported	IUCLID (The International Uniform Chemical Information Database)			

**Dermal Exposure Route**Toxicological data for ingredients is not indicative of likely harm.

Chemical Name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Phosphoric acid, potassium salt (1:1) (30 - 50) CAS#: 7778-77-0	Rabbit LD <sub>50</sub>	> 4640 mg/kg	None reported	None reported	ChemADVISOR

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

# **Product Skin Corrosion/Irritation Data**

No data available.

# **Ingredient Skin Corrosion/Irritation Data**

	Chemical Name	Test method	Species	Reported	Exposure	Results	Key literature
1				dose	time		references and
1							sources for data

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Sodium phosphate	Standard Draize	Rabbit	500 mg	24 hours	Skin irritant	RTECS (Registry of
dibasic	Test					Toxic Effects of
(30 - 50)						Chemical Substances)
CAS#: 7558-79-4						

#### **Product Serious Eye Damage/Eye Irritation Data**

No data available.

## **Ingredient Eye Damage/Eye Irritation Data**

Chemical Name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Sodium phosphate dibasic (30 - 50) CAS#: 7558-79-4	Standard Draize Test	Rabbit	500 mg	24 hours	Eye irritant	RTECS (Registry of Toxic Effects of Chemical Substances)

#### **Sensitization Information**

**Product Sensitization Data** 

Skin Sensitization Exposure Route No data available.

Respiratory Sensitization Exposure Route No data available.

**Ingredient Sensitization Data** 

Skin Sensitization Exposure Route No data available.

Respiratory Sensitization Exposure Route No data available.

**Chronic Toxicity Information** 

**Product Repeat Dose Toxicity Data** 

Oral Exposure Route No data available.

**Dermal Exposure Route**No data available.

Inhalation (Dust/Mist) Exposure Route No data available.

Inhalation (Vapor) Exposure Route No data available.

Inhalation (Gas) Exposure Route No data available.

Ingredient Repeat Dose Toxicity Data

Oral Exposure Route No data available

**Dermal Exposure Route**No data available

Inhalation (Dust/Mist) Exposure Route

No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

	Chemical Name	CAS No	ACGIH	IARC	NTP	OSHA	1
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Sodium phosphate dibasic	7558-79-4	-	-	-	-
Phosphoric acid,	7778-77-0	-	-	-	-
potassium salt (1:1)					
[2,2-Biquinoline]-4,4-dicarb	63451-34-3	=	-	-	-
oxylic acid, dipotassium					
salt					

### Legend

ACGIH (American Conference of Governmental Industrial Hygienists)	Does not apply
IARC (International Agency for Research on Cancer)	Does not apply
NTP (National Toxicology Program)	Does not apply
OSHA (Occupational Safety and Health Administration of the US Department of	X - Present
Labor)	

<u>Product Carcinogenicity Data</u>

No data available

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

**Ingredient Carcinogenicity Data** 

Oral Exposure Route No data available

**Dermal Exposure Route**No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Product Germ Cell Mutagenicity invitro Data

No data available.

<u>Ingredient Germ Cell Mutagenicity invitro Data</u>

Toxicological data for ingredients is not indicative of likely harm.

Oral Exposure Route No data available

Dermal Exposure Route No data available

Inhalation (Dust/Mist) Exposure Route No data available

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

Ingredient Germ Cell Mutagenicity invivo Data

Oral Exposure Route Toxicological data for ingredients is not indicative of likely harm.

Dermal Exposure Route No data available

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No data available Inhalation (Dust/Mist) Exposure Route

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

**Oral Exposure Route** No data available

**Dermal Exposure Route** No data available

No data available Inhalation (Dust/Mist) Exposure Route

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

**Ingredient Reproductive Toxicity Data** 

No data available **Oral Exposure Route** 

No data available **Dermal Exposure Route** 

No data available Inhalation (Dust/Mist) Exposure Route

Inhalation (Vapor) Exposure Route No data available

Inhalation (Gas) Exposure Route No data available

# 12. ECOLOGICAL INFORMATION

Based on the classification principles, not classified as hazardous **Ecotoxicity** 

to the environment.

**Product Ecological Data** 

**Aquatic toxicity** 

No data available Fish

No data available Crustacea

No data available Algae

**Terrestrial toxicity** 

No data available Soil

**Vertebrates** No data available

No data available Invertebrates

**Ingredient Ecological Data** 

**Aquatic toxicity** 

Fish Toxicological data for ingredients is not indicative of likely harm.

Chemical Name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
[2,2-Biquinoline]-4,4- dicarboxylic acid, dipotassium salt (1 - 5)	96 hours	None reported	LC <sub>50</sub>	658 mg/L	Estimation through ECOSARS v1.11 part of the Estimation Programs Interface (EPI) Suite™

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CAS#: 63451-34-3			

Crustacea		To	Toxicological data for ingredients is not indicative of likely harm.			
Chemical Name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data	
[2,2-Biquinoline]-4,4-dicarboxylic acid, dipotassium salt (1 - 5) CAS#: 63451-34-3	48 Hours	None reported	LC50	442 mg/L	Estimation through ECOSARS v1.11 part of the Estimation Programs Interface (EPI) Suite <sup>TM</sup>	

Algae		Tox	Toxicological data for ingredients is not indicative of likely harm.			
Chemical Name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data	
[2,2-Biquinoline]-4,4-dicarboxylic acid, dipotassium salt (1 - 5) CAS#: 63451-34-3	96 hours	None reported	EC <sub>50</sub>	659 mg/L	Estimation through ECOSARS v1.11 part of the Estimation Programs Interface (EPI) Suite™	

**Terrestrial toxicity** 

**Soil** No data available

Vertebrates No data available

Invertebrates No data available

# **Other Information**

# Persistence and degradability

None known.

# **Product Biodegradability Data**

If available, see ingredient data below.

# **Ingredient Biodegradability Data**

Test data reported below

Chemical Name	Test method	Biodegradation	Exposure	Results
			time	
[2,2-Biquinoline]-4,4-dicarboxylic acid, dipotassium salt (1 - 5) CAS#: 63451-34-3	OECD Test No. 303: Simulation Test - Aerobic Sewage Treatment A: Activated Sludge Units; B: Biofilms	None reported	None reported	Not readily biodegradable

### **Bioaccumulation**

None known.

Product Bioaccumulation Data

No data available.

Ingredient Bioaccumulation Data

No data available

**Additional information** 

<u>Product Information</u> No data available

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Partition Coefficient (n-octanol/water)

No data available

# **Ingredient Information**

Chemical Name	Partition Coefficient (n-octanol/water)	Method
[2,2-Biquinoline]-4,4-dicarboxylic acid, dipotassium salt (1 - 5)	log K <sub>ow</sub> = -2.69	Estimation through KOWWIN v1.68 part of the Estimation Programs Interface (EPI) Suite™

**Mobility** 

Mobility in soil: Moderate to high mobility. If available, see ingredient data below.

Product Information No data available

Soil Organic Carbon-Water Partition Coefficient No data available

# **Ingredient Information**

Chemical Name	Soil Organic Carbon-Water Partition	Method
	Coefficient	
[2,2-Biquinoline]-4,4-dicarboxylic acid,	log K₀c = 5.51	Estimation through KOCWIN v2.00 part
dipotassium salt	-	of the Estimation Programs Interface
(1 - 5)		(EPI) Suite™
CAS#: 63451-34-3		

### **Additional information**

## Water solubility

## **Product Information**

Water solubility classification	<u>Water solubility</u>	Water Solubility Temperature
Soluble	> 1000 mg/L	25 °C / 77 °F

# **Ingredient Information**

Chemical Name	Water solubility classification	Water solubility	Water solubility temperature °C	Water solubility temperature °F
Sodium phosphate dibasic (30 - 50) CAS#: 7558-79-4	Completely soluble	118000 mg/L	20 °C	68 °F
Phosphoric acid, potassium salt (1:1) (30 - 50) CAS#: 7778-77-0	Soluble	> 1000 mg/L	25 °C	77 °F
[2,2-Biquinoline]-4,4-dicarboxylic acid, dipotassium salt (1 - 5) CAS#: 63451-34-3	Soluble	> 1000 mg/L	25 °C	77 °F

## Other adverse effects

No information available.

# 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

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Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Working in a well-ventilated area,. Rinse three times with an appropriate solvent. Collect

rinsate and dispose of according to local, state or federal regulations. Dispose of empty container as normal trash. In the US, rinsate from empty containers is classified as hazardous waste and should be disposed of at an E.P. A. approved facility. Rinsate from empty containers may contain sufficient product to require disposal as hazardous waste in countries other than the US. Improper disposal or reuse of this container may be dangerous and illegal. Disposal should be in accordance with applicable regional, national and local

laws and regulations.

**Special instructions for disposal** Dilute material with excess water making a weaker than 5% solution. If permitted by

regulation,. Open cold water tap completely, slowly pour the material to the drain. Állow cold water to run for 5 minutes to completely flush the system. Check with national, local municipal and state authorities and waste contractors for pertinent local information on the

disposal of this article.

# 14. TRANSPORT INFORMATION

DOTNot regulatedTDGNot regulatedIATANot regulated

<u>IMDG</u> Not regulated

**Note:** No special precautions necessary.

# Additional information

There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is not in a reagent set or kit, the classification given above applies.

If the item is part of a reagent set or kit the classification would change to the following:

UN3316 Chemical Kit, Hazard Class 9, Packing Group II or III.

If the item is not regulated, the Chemical Kit classification does not apply.

# 15. REGULATORY INFORMATION

**National Inventories** 

TSCA Complies
DSL/NDSL Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

International Inventories

**EINECS/ELINCS** Complies **ENCS** Complies **IECSC** Complies Complies **KECL** Complies **PICCS** TCSI Complies **AICS** Complies **NZIoC** Complies

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances **ENCS** - Japan Existing and New Chemical Substances

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IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

TCSI - Taiwan Chemical Substances Inventory

**AICS** - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

## **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard No
Chronic Health Hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

## **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable	CWA - Toxic Pollutants	CWA - Priority	CWA - Hazardous
	Quantities		Pollutants	Substances
Sodium phosphate dibasic	5000 lb	-	-	Х
7558-79-4				

## **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium phosphate dibasic	5000 lb	-	RQ 5000 lb final RQ
7558-79-4			RQ 2270 kg final RQ

# **US State Regulations**

# **California Proposition 65**

This product does not contain any Proposition 65 chemicals

### **U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium phosphate dibasic	X	X	X
7558-79-4			

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

# 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

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### **NFPA and HMIS Classifications**

	NFPA	Health hazards - 2	Flammability - 0	Instability - 0	Physical and Chemical Properties -
Ī	HMIS	Health hazards - 2	Flammability - 0	Physical hazards - 0	Personal protection - X
1					- See section 8 for more
L					information

### Key or legend to abbreviations and acronyms used in the safety data sheet

NIOSH IDLH Immediately Dangerous to Life or Health

ACGIH ACGIH (American Conference of Governmental Industrial Hygienists)

NDF no data

### Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

MAC Maximum Allowable Concentration Ceiling Ceiling Limit Value

X Listed Vacated These values have no official status. The only

binding levels of contaminants are those listed in the final OSHA PEL. These lists are for reference purposes only. Please note that some reference state regulations of these "liberated" exposure limits in their state

regulations.

SKN\* Skin designation SKN+ Skin sensitization
RSP+ Respiratory sensitization \*\* Hazard Designation
C Carcinogen R Reproductive toxicant

M mutagen

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Issue Date 28-Jun-2016

Revision Date 10-Aug-2016

Revision Note None

#### **Disclaimer**

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.

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**End of Safety Data Sheet**