



Univar USA Inc Material Safety Data Sheet

MSDS No:

Version No:

Order No:

Univar USA Inc., 17425 NE Union Hill Rd., Redmond WA 98052
(425) 889 3400

Emergency Assistance

For emergency assistance involving chemicals call
Chemtrec - (800) 424-9300



(Material) Safety Data Sheet

Tetrasodium Pyrophosphate

Section 1 - Product and Company Identification

Material Name	▪ Tetrasodium Pyrophosphate
CAS Number	▪ 7722-88-5
EINECS	▪ 231-767-1
Molecular Formula	▪ Na ₄ P ₂ O ₇
Molecular Weight	▪ 265.91
Product Description	▪ White crystalline solid with no odor.
Synonyms	▪ Anhydrous Tetrasodium Pyrophosphate; TSPP
Manufacturer	▪ Innophos PO Box 8000 259 Prospect Plains Road Cranbury, NJ 08512-8000 United States
Telephone	
Technical	▪ 609-495-2495
<u>Emergency</u>	▪ 800-424-9300
<u>Emergency</u>	▪ 615-386-7816
<u>Emergency</u>	▪ 703-527-3887
Preparation Date	11/15/2004
Last Revision Date	07/20/2010

Section 2 - Hazards Identification

Emergency Overview

WARNING

May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. May be harmful if swallowed.

Prevention	Keep container tightly closed. Avoid breathing dust, fume, gas, mist, vapours and/or spray. Wear protective gloves, clothing, and eye/face protection. Wash : thoroughly after handling.
Response	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If skin irritation occurs: Get medical advice/attention. Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage/Disposal	Store in a well-ventilated place. Store locked up. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.



**OSHA
WHMIS**

- Irritant
- Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B



EU

- Irritant - Xi
R36/37/38



GHS

- Specific Target Organ Toxicity Single Exposure - Category 3, Skin Corrosion/Irritation - Category 2, Serious Eye Damage, Eye Irritation - Category 2A, Acute Toxicity - Category 5

**Route Of Entry
Medical Conditions
Aggravated by Exposure**

- Inhalation, Skin, Eye, Ingestion
- Disorders of the lungs, Skin

NFPA:



Potential Health Effects

Inhalation

Acute (Immediate)

- May cause respiratory irritation.

Chronic (Delayed)

- No data available.

Skin

Acute (Immediate)

- May cause irritation.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- May cause severe irritation. May cause redness, burns.

Chronic (Delayed)

- No data available.

Ingestion

Acute (Immediate)

- Harmful if ingested. May cause burns to mouth and esophagus, nausea, vomiting, and diarrhea.

Chronic (Delayed)

- No data available.

Carcinogenic Effects

- This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

Hazardous Components						
Chemical Name	CAS	%(weight)	UN;EINECS	LD50/LC50	EU Classification & R Phrases	Other
Diphosphoric acid, sodium salt (1:4)	7722-88-5	100%	231-767-1	Ingestion/Oral-Rat LD50: =4 g/kg	NDA	NDA

Under United States Regulations (29 CFR 1900.1200 - Hazard Communication Standard), this product is considered hazardous. In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS). This product is considered dangerous according to the European Directive 67/548/EEC. According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is considered hazardous.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

- Inhalation**
 - Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.
- Skin**
 - IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
- Eye**
 - Flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses if worn. Seek immediate medical attention, preferably with an ophthalmologist. If the physician is not immediately available, eye irrigation should be continued for an additional 20 minutes. If it is necessary to transport the patient to a physician and the eye needs to be bandaged, use a dry sterile cloth pad and cover both eyes.
- Ingestion**
 - Do NOT induce vomiting. If swallowed give 2-3 glasses of water if victim is conscious and alert. Do not give anything by mouth to an unconscious person. Rinse mouth. Obtain medical attention immediately if ingested. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Persons attending the victim should avoid direct contact with heavily contaminated clothing and vomitus. Wear impervious gloves while decontaminating skin and hair.
- Notes to Physician**
 - All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Ingestion of large quantities of phosphate salts (over 1.0 grams for an adult) may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps. Larger doses such as 4-8 grams will almost certainly cause these effects in everyone. In healthy individuals most of the ingested salt will be excreted in the feces with the diarrhea and, thus, not cause any systemic toxicity. Doses greater than 10 grams hypothetically may cause systemic toxicity. Treatment should take into consideration both anionic and cation portion of the molecule.
- Other Information**
 - Call 911 or emergency medical service. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

See Section 2 for Potential Health Effects.

Section 5 - Fire Fighting Measures

- Extinguishing Media**
 - Not combustible. Use extinguishing media suitable for surrounding fire.
- Unsuitable Extinguishing Media**
 - None known.
- Firefighting Procedures**
 - LARGE FIRES: Move containers from fire area if you can do it without risk.
 - LARGE FIRES: Do not scatter spilled material with high pressure water streams.
 - LARGE FIRES: Dike fire-control water for later disposal.
- Unusual Fire and Explosion Hazards**
 - Non-combustible.

- Hazardous Combustion Products**
- None known.
- Protection of Firefighters**
- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures


- Personal Precautions**
- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.
- Emergency Procedures**
- Keep unauthorized personnel away. Ventilate closed spaces before entering.
- Environmental Precautions**
- Do not flush to drain. If spilled on the ground, the affected area should be scraped clean and placed in a appropriate container for disposal. Prevent material from entering public sewer system or any waterways. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.
- Containment/Clean-up Measures**
- Avoid generating dust.
SMALL DRY SPILLS: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.
Clean up residual material by washing area with water. Collect washings for disposal. Decontaminate tools and equipments after cleanup. LARGE SPILLS: Cover powder spill with plastic sheet or tarp to minimize spreading.
- Prohibited Materials**
- None known.

Section 7 - Handling and Storage

- Handling**
- Keep containers closed when not in use. Do not breathe (dust, vapor or spray mist) Do not get on skin or in eyes. Do not ingest. Do not use in areas without adequate ventilation.
- Storage**
- Store in a tightly closed container. Store in an area that is sanitary, dry, well-ventilated, cool, isolated from all toxic and harmful substances, away from ignition sources.
- Special Packaging Materials**
- None known.
- Incompatible Materials or Ignition Sources**
- None known.

Section 8 - Exposure Controls/Personal Protection

Personal Protective Equipment

- Pictograms**
- 
- Respiratory**
- For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.
- Eye/Face**
- Wear safety glasses.
- Hands**
- Wear appropriate gloves.
- General Industrial Hygiene Considerations**
- Do not use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- Engineering Measures/Controls**
- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Exposure Limits/Guidelines

	Result	ACGIH	Argentina	Australia	Canada Ontario	Canada Quebec
Tetrasodium Pyrophosphate	TWAs	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended) <i>as Particulates not otherwise classified (PNOC)</i>	10 mg/m3 TWA (inhalable fraction, particulate matter containing no asbestos and less than 1% crystalline silica); 3 mg/m3 TWA (respirable fraction, particulate matter containing no asbestos and less than 1% crystalline silica) <i>as Particulates not otherwise classified (PNOC)</i>	Not established	10 mg/m3 TWAEV (inhalable particulate); 3 mg/m3 TWAEV (respirable particulate) <i>as Particulates not otherwise classified (PNOC)</i>	10 mg/m3 TWAEV (total dust, containing no asbestos and less than 1% crystalline silica) <i>as Particulates not otherwise classified (PNOC)</i>
Diphosphoric acid, sodium salt (1:4) (7722-88-5)	TWAs	Not established	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWAEV	5 mg/m3 TWAEV

Exposure Limits/Guidelines (Con't.)

	Result	China	Indonesia	Korea	Malaysia	New Zealand
Tetrasodium Pyrophosphate	TWAs	8 mg/m3 TWA (free SiO2 <10%, except asbestos and toxic substances. Use PC-TWA of silica When free SiO2 >10%, total) <i>as Particulates not otherwise classified (PNOC)</i>	10 mg/m3 NAB (not containing asbestos and the crystal content is <1%, inhalable particulate); 3 mg/m3 NAB (not containing asbestos and the crystal content is <1%, respirable particulate) <i>as Particulates not otherwise classified (PNOC)</i>	Not established	10 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, inhalable fraction); 3 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>	10 mg/m3 TWA (inspirable dust); 3 mg/m3 TWA (respirable dust) <i>as Particulates not otherwise classified (PNOC)</i>
	STELs	16 mg/m3 STEL (free SiO2 <10%, except asbestos and toxic substances. Use PC-STEL of silica When free SiO2 >10%, total) <i>as Particulates not otherwise classified (PNOC)</i>	Not established	Not established	Not established	Not established
Diphosphoric acid, sodium salt (1:4) (7722-88-5)	TWAs	Not established	5 mg/m3 NAB	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA

Exposure Limits/Guidelines (Con't.)

	Result	NIOSH	OSHA	OSHA Vacated	Singapore	South Africa
			15 mg/m3 TWA (total dust); 5 mg/m3 TWA	15 mg/m3 TWA (total dust); 5 mg/m3 TWA	10 mg/m3 PEL	

Tetrasodium Pyrophosphate	TWAs	Not established	(respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>	(respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>	<i>as Particulates not otherwise classified (PNOC)</i>	Not established
Diphosphoric acid, sodium salt (1:4) (7722-88-5)	TWAs	5 mg/m3 TWA	Not established	5 mg/m3 TWA	5 mg/m3 PEL	5 mg/m3 TWA

Exposure Limits/Guidelines (Con't.)				
	Result	Switzerland	Taiwan	United States - California
Tetrasodium Pyrophosphate	TWAs	Not established	Not established	10 mg/m3 PEL (total dust); 5 mg/m3 PEL (respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>
Diphosphoric acid, sodium salt (1:4) (7722-88-5)	TWAs	Not established	5 mg/m3 TWA	5 mg/m3 PEL
	MAKs	5 mg/m3 MAK (inhalable)	Not established	Not established

Exposure Control Notations

South Africa

•Diphosphoric acid, sodium salt (1:4) (7722-88-5): **Skin:** (Skin Notation)

Key to abbreviations

MSHA = Mine Safety and Health Administration

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration

NIOSH = National Institute of Occupational Safety and Health

NAB = Threshold Values (Indonesia)

PEL = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

TWAEV = Time-Weighted Average Exposure Value

ACGIH = American Conference of Governmental Industrial Hygiene

OSHA = Occupational Safety and Health Administration

Section 9 - Physical and Chemical Properties

Physical Form

- Solid

Appearance/Description

- White crystalline solid with no odor.

Color : White		Odor : Odorless	
Taste : NDA		Odor Threshold : NDA	
Boiling Point:	NDA	Vapor Pressure:	NDA
Melting Point:	985 C(1805 F)	Vapor Density:	NDA
Specific Gravity:	2.534	Evaporation Rate:	NDA
Density:	158.1973 lb(s)/ft ³	VOC (Wt.):	NDA
Bulk Density:	0.5 to 1 g/cm ³	VOC (Vol.):	NDA
Water Solubility:	Soluble 5 %	Volatiles (Wt.):	NDA
Solvent Solubility:	NDA	Volatiles (Vol.):	NDA
Viscosity:	NDA	Flash Point:	NDA
Half-Life:	NDA	Flash Point Test Type:	NDA
Octanol/Water Partition coefficient:	NDA	UEL:	NDA

Coefficient of Water:	NDA	LEL:	NDA
Bioaccumulation Factor:	NDA	Autoignition:	NDA
pH:	10.2 (@ 1 wt/wt%)		

Section 10 - Stability and Reactivity

- Stability**
 - Stable under normal temperatures and pressures.
- Hazardous Polymerization**
 - Hazardous polymerization will not occur.
- Conditions to Avoid**
 - Dusting conditions. Moisture.
- Incompatible Materials**
 - No data available
- Hazardous Decomposition Products**
 - None known.

Section 11 - Toxicological Information

- Other Material Information**
 - May cause irritation to skin, eye and respiratory tract.

Tetrasodium Pyrophosphate				7722-88-5					
Test Type	Dosage	Units	Route	Species	Duration	Results	Test Class	Target Organs	Comments
Irritation	NDA	NDA	Eye	Rabbit	NDA	NDA	Severe irritation, reversible	NDA	Unwashed
Irritation	NDA	NDA	Skin	Rabbit	NDA	NDA	Essentially Non-irritating	NDA	Washed
Acute Toxicity	>2000	mg/kg	Skin	Rabbit	NDA	LD50	NDA	NDA	NDA
Acute Toxicity	4000	mg/kg	Ingestion/Oral	Rat	NDA	LD50	NDA	NDA	NDA
Acute Toxicity	2980	mg/kg	Ingestion/Oral	Mouse	NDA	LD50	NDA	NDA	NDA
Acute Toxicity	2150	mg/kg	Ingestion/Oral	Rat (Male)	NDA	LD50	NDA	NDA	NDA
Acute Toxicity	1825	mg/kg	Ingestion/Oral	Rat (Female)	NDA	LD50	NDA	NDA	NDA

Key to abbreviations

LD = Lethal Dose

Section 12 - Ecological Information

- Ecological Fate**
 - No data found for product.
- Persistence/Degradability**
 - No data found for product.
- Bioaccumulation Potential**
 - No data found for product.
- Mobility in Soil**
 - No data found for product.
- Other Information**
 - No specific biodegradation test data located. While the alkalinity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.

Section 13 - Disposal Considerations

- Product**
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transportation Information

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

DOT - United States - Department of Transportation
Shipping Name: Not Regulated

TDG - Canada - Transport of Dangerous Goods
Shipping Name: Not Regulated

IMO/IMDG –International Maritime Transport
Shipping Name: Not Regulated

ADN - Europe Transport of Dangerous Goods by Road/Inland Waterway
Shipping Name: Not Regulated

IATA - International Air Transport Association
Shipping Name: Not Regulated

ADR - Europe Transport of Dangerous Goods by Road/Inland Waterway
Shipping Name: Not Regulated

RID - Europe Transport of Dangerous Goods by Railways
Shipping Name: Not Regulated

Section 15 - Regulatory Information

- SARA Hazard Classifications** ▪ Acute
- Risk & Safety Phrases** ▪ R36/37/38 Irritating to eyes, respiratory system and skin.
 S24/25 Avoid contact with skin and eyes.
 S22 Do not breathe dust.

Inventory						
Component	CAS	Australia AICS	Canada DSL	Canada NDSL	China	EU EINECS
Diphosphoric acid, sodium salt (1:4)	7722-88-5	Yes	Yes	No	Yes	Yes

Inventory (Con't.)						
Component	CAS	EU ELNICS	Japan ENCS	Korea KECL	New Zealand	Philippines PICCS
Diphosphoric acid, sodium salt (1:4)	7722-88-5	No	Yes	Yes	Yes	Yes

Inventory (Con't.)			
Component	CAS	Switzerland SWISS	TSCA
Diphosphoric acid, sodium salt (1:4)	7722-88-5	No	Yes

Australia

Labor

Australia - High Volume Industrial Chemicals List

- Diphosphoric acid, 7722-88-5 100%
sodium salt (1:4)

Australia - List of Designated Hazardous Substances - Classification

- Diphosphoric acid, 7722-88-5 100% Self classification required
sodium salt (1:4)

Environment

Australia - National Pollutant Inventory (NPI) Substance List

None Listed

Australia - Priority Existing Chemical Program

None Listed

Other

The Australia Group - Export Control List - Chemical Weapons Precursors

None Listed

Canada

Labor

Canada - List of Prohibited and Restricted Cosmetic Ingredients (The Cosmetic Ingredient Hotlist)

None Listed

Canada - WHMIS - Classifications of Substances

- Diphosphoric acid, 7722-88-5 100% D2B
sodium salt (1:4)

Canada - WHMIS - Ingredient Disclosure List

- Diphosphoric acid, 7722-88-5 100% 1 %
sodium salt (1:4)

Environment

Canada - CEPA - Priority Substances List

None Listed

China

Other

China - Annex I & II - Controlled Chemicals Lists

None Listed

China - Dangerous Goods List

None Listed

Croatia

Environment

Croatia - Air Quality - Emission Limits for Stationary Sources

None Listed

Croatia - Air Quality - Limit Values for Gaseous Pollutants

None Listed

Croatia - Air Quality - Recommended Values for Gaseous Pollutants

None Listed

Croatia - Ozone Depleting Substances - Annex A, Group I

None Listed

Egypt

Environment

Egypt - Air Pollutants - Emissions Limits - Overall Particles

None Listed

Egypt - Air Pollutants - Maximum Limits

None Listed

Europe

Environment

EU - Substances Depleting the Ozone layer (1005/2009) - Annex I Substances

None Listed

EU - Seveso II Directive (96/82/EC) - Qualifying Quantities for Major Accident Notification

None Listed

EU - Seveso II Directive (96/82/EC) - Qualifying Quantities for Safety Report Requirements

None Listed

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

None Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

None Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

None Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

None Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

None Listed

EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2002/95/EC) (RoHS)

None Listed

India

Environment

India - Hazardous Chemical Rules - List of Hazardous and Toxic Chemicals

None Listed

India - Ozone Depleting Substances - Schedule I

None Listed

Indonesia

Environment

Indonesia - Hazardous Waste from Non-Specific Sources

None Listed

Indonesia - Hazardous Waste from Specific Sources

None Listed

Japan

Labor

Japan - ISHL Dangerous Substances

None Listed

Japan - ISHL Designated Carcinogens

None Listed

Japan - ISHL Harmful Substances Prohibited for Manufacture

None Listed

Japan - ISHL Notifiable Substances

- Diphosphoric acid, 7722-88-5 100% 1 % weight
sodium salt (1:4)

Environment

Japan - Air Pollution Control Law - Emission Standards for Air Pollutants

None Listed

Inventory - Japan - Industrial Safety and Health Law Substances (ISHL)
None Listed

Korea

Labor

Korea - MOE - Harmful Substances
None Listed

Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substances
None Listed

Environment

Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals
None Listed

Malaysia

Labor

Malaysia - Occupational Safety & Health - Risk Phrases
None Listed

Malaysia - Occupational Safety & Health - Safety Phrases
None Listed

Environment

Malaysia - Clean Air Regulations - Noxious and Offensive Substances
None Listed

Mexico

Environment

Mexico - Pollutant Release and Transfer Register - Reporting Emissions - Threshold Quantities
None Listed

Other

Mexico - Hazard Classifications
None Listed

Mexico - Regulated Substances
None Listed

New Zealand

Other

New Zealand - Ozone Depleting Substances
None Listed

Other Agency Information

Other

AIHA - Emergency Response Planning Guidelines - ERPG-1 Values
None Listed

AIHA - Emergency Response Planning Guidelines - ERPG-2 Values
None Listed

AIHA - Emergency Response Planning Guidelines - ERPG-3 Values
None Listed

Philippines

Environment

Philippines - Ozone Depleting Substances - Annex A - Group I
None Listed

Other

Philippines - Priority Chemical List
None Listed

Singapore

Environment

Singapore - Air Impurities Emission Limits

None Listed

Singapore - List of Hazardous Substances

None Listed

South Africa

Labor

South Africa - General Machinery Regulations - Notifiable Substances

None Listed

Taiwan

Environment

Taiwan - Toxic Chemical Substances Control Act - Threshold Regulated Quantities

None Listed

Taiwan - Toxic Chemical Substances Control Act - Classification and Control Levels

None Listed

Thailand

Labor

Thailand - Air Contaminant Standards

None Listed

Environment

Thailand - Quantities of Chemicals

None Listed

Other

Thailand - Hazardous Substances

None Listed

United States

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

None Listed

U.S. - CAA (Clean Air Act) - Class I Ozone Depletors

None Listed

U.S. - CAA (Clean Air Act) - Class II Ozone Depletors

None Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

None Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

None Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

None Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

None Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents

None Listed

U.S. - SDWA (Safe Drinking Water Act) - CCL (Contaminant Candidate List)

None Listed

Vietnam

Environment

Vietnam - Air Quality - Ambient Air Quality Standards

None Listed

Vietnam - Air Quality - Industrial Emission Standards

None Listed

Vietnam - Air Quality - Maximum Allowable Concentration of Highly Hazardous Chemicals

None Listed

Section 16 - Other Information

Preparation Date 11/15/2004
Last Revision Date 07/20/2010

Disclaimer/Statement of Liability ▪ The information herein is given in good faith but no warranty, expressed or implied, is made.

Key to abbreviations
NDA = No Data Available

Univar USA Inc Material Safety Data Sheet

For Additional Information contact MSDS Coordinator during business hours, Pacific time: (425) 889-3400

Notice

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Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from your local Univar sales office.

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This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process