



MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Name Nu-Calgon Wholesaler, Inc.	Phone Number (314) 469-7000 / (800) 554-5499	CHEMTREC (800) 424-9300		
Street Address 2008 Altom Court	City St. Louis	State MO	Postal Code 63146-4151	Last Update 5/23/07
Product Name Fluoride Masking Agent	Product Number 4798-2 & 4804-0	Product Use Inorganic salt solution for water testing.		EPA Registration # N/A

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>% By Wt.</u>	<u>CAS Number</u>	<u>TLV</u>	<u>PEL</u>
Beryllium sulfate	<2	7787-56-6	TLV: .002 mg/m3 (as Be) STEL: .025 mg/m3 (as Be)	PEL: .002 mg/m3 (as Be)
Deionized water	to 100	7732-18-5		

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: ROUTE(S) OF ENTRY: Ingestion & Skin. TARGET ORGAN(S): Eyes, skin

Potential Health Effects

Eyes: Irritant

Skin: Irritant, toxic. Contact may cause dermatitis, skin ulcers.

Ingestion: Irritant, toxic. May cause gastrointestinal irritation, possible death.

Inhalation: NA

Chronic Exposure: No Data.

Carcinogenicity: NTP Yes IARC Yes OSHA No. Beryllium sulfate is not listed specifically in the NTP Annual Report on Carcinogens (latest edition) but is included under "beryllium and certain beryllium compounds".

Medical Conditions Aggravated by Exposure: Eye and skin conditions

SECTION 4 – FIRST AID MEASURES

Eyes: Immediately flush eyes with water for 20 minutes or until chemical is removed. Call physician.

Skin: Wash skin thoroughly with soap and water.

Ingestion: Give large amounts of water. Call physician. Induce vomiting under direction of physician. DO NOT induce vomiting or give anything by mouth to a person who is unconscious, rapidly losing consciousness, or convulsing.

Inhalation: NA

SECTION 5 – FIREFIGHTING MEASURES

Flash Point: NA°C/NA°F

Autoignition Temp: NA°C/NA°F

Hazardous Products of Combustion: No Data.

Flammable Limits in Air: LEL: NA UEL: NA

Extinguishing Media: Dry chemical, carbon dioxide, water spray or foam

Fire and Explosion Hazards: May emit toxic fumes of beryllium oxide, sulfuric acid, sulfur oxides.

Special Firefighting Procedures: Wear self-contained (positive pressure if available) breathing apparatus and full-protective clothing

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Absorb with vermiculite or other inert material. Containerize for later disposal.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.

Storage Requirements: Cool, dry area. Avoid direct sunlight.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: No Data.

Eye Protection: safety glasses

Protective Clothing: Rubber gloves, lab coat

Exposure Guidelines: No Data.

Specific Engineering Controls (such as ventilation, enclosed process): No Data.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid	Freezing Point: No Data.°C/No Data.°F	% Volatile by Weight: BY VOLUME: 96%
Color: Clear, colorless	Vapor Density [air =1]: .6	Evaporation Rate: No Data.
Odor: None	Vapor Pressure: (mm Hg): 17	Specific Gravity: 1
Boiling Point: 100°C/212°F	Solubility in Water: Soluble	pH (concentrate): 2.8

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: No Data.

Hazardous Polymerization: No Data.

Incompatibilities: No Data.

Reactive Conditions to avoid: Extreme heat, temperatures.

Decomposition Products: No Data.

SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD 50 of Ingredient (Specify Species)	LC50 of Ingredient (Specify Species)
Beryllium sulfate	7787-56-6		LD50(oral-rat): 82 mg/kg	

SECTION 12 – ECOLOGICAL INFORMATION

Hazardous Ingredients	Aquatic Toxicity Data
No Data.	

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Incineration or other method to comply with all local, state, and federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

Special Shipping Information: Not Regulated.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT (Land)	Not Regulated.			
IMO (Water)	No Data.			
ICAO (Air)	No Data.			

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	No Data.
SARA Title III: (Superfund Amendments & Reauthorization Act)	Beryllium sulfate is subject to the reporting requirements of SARA Title III Section 313 and 40 CFR 372.
OSHA: (Occupational Safety & Health Administration)	No Data.
TSCA: (Toxic Substance Control Act)	No Data.
VOC: (volatile Organic Compounds)	No Data.
CPR: (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
EINECS: (European Inventory of Existing Commercial Chemical Substances)	No Data.
DSL / NDSL: (Canadian Domestic Substance List)(Non-Domestic Substance List)	No Data.
CERCLA: (Comprehensive Response Compensation & Liability Act)	No Data.
IDL: (Canadian Ingredient Disclosure List)	No Data.
HFPA (HMIS) Rating: (Hazardous Materials Identification System)	Health: 3 Flammability: 0 Reactivity: 0 Specific: NA

SECTION 16 – OTHER INFORMATION

No Data.

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.



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Street Address 2008 Altom Court	City St. Louis	State MO	Postal Code 63146-4151	Last Update 5/23/07
Product Name Phosphonate Titrating Solution	Product Number 4798-2 & 4804-0	Product Use Inorganic salt solution for water testing.		EPA Registration # N/A

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>% By Wt.</u>	<u>CAS Number</u>	<u>TLV</u>	<u>PEL</u>
Thorium nitrate	<1	13823-29-5	NE	NE
Deionized water	to 100	7732-18-5	NE	NE

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: ROUTE(S) OF ENTRY: Ingestion & Skin. TARGET ORGAN(S): Eyes, skin

Potential Health Effects

Eyes: Irritant.

Skin: Irritant.

Ingestion: Irritant. Ingestion of large amounts may be carcinogenic due to radioactivity.

Inhalation: NA

Chronic Exposure: No Data.

Carcinogenicity: NTP No IARC No OSHA No

Medical Conditions Aggravated by Exposure: Eye and skin conditions.

SECTION 4 – FIRST AID MEASURES

Eyes: Immediately flush eyes with water for 20 minutes or until chemical is removed. Call physician.

Skin: Wash skin thoroughly with soap and water.

Ingestion: Give large amounts of water. Call physician. Induce vomiting under direction of physician. DO NOT induce vomiting or give anything by mouth to a person who is unconscious, rapidly losing consciousness, or convulsing.

Inhalation: NA

SECTION 5 – FIREFIGHTING MEASURES

Flash Point: NA°C/NA°F

Autoignition Temp: NA°C/NA°F

Hazardous Products of Combustion: No Data.

Flammable Limits in Air: LEL: NA UEL: NA

Extinguishing Media: No Data.

Fire and Explosion Hazards: Residue on evaporation is a strong oxidizer. May emit toxic fumes of nitrogen oxides.

Special Firefighting Procedures: Wear self-contained (positive pressure if available) breathing apparatus and full-protective clothing

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Absorb with vermiculite or other inert material. Containerize for later disposal.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.

Storage Requirements: Cool, dry area. Avoid direct sunlight.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: No Data.

Eye Protection: safety glasses

Protective Clothing: General purpose gloves, lab coat

Exposure Guidelines: No Data.

Specific Engineering Controls (such as ventilation, enclosed process): No Data.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid	Freezing Point: No Data.°C/No Data.°F	% Volatile by Weight: BY VOLUME: 99%
Color: Clear, colorless	Vapor Density [air =1]: .6	Evaporation Rate: No Data.
Odor: None	Vapor Pressure: (mm Hg): 17	Specific Gravity: 1
Boiling Point: 100°C/212°F	Solubility in Water: Soluble	pH (concentrate): 3.1

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: No Data.

Hazardous Polymerization: No Data.

Incompatibilities: No Data.

Reactive Conditions to avoid: Extreme heat, temperatures. Contact with reducing agents.

Decomposition Products: No Data.

SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD 50 of Ingredient (Specify Species)	LC50 of Ingredient (Specify Species)
Thorium nitrate	13823-29-5		LD50(ori-mus): 1760 mg/kg	

SECTION 12 – ECOLOGICAL INFORMATION

Hazardous Ingredients	Aquatic Toxicity Data
No Data.	

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: To comply with all local, state, and federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

Special Shipping Information: Not Regulated.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT (Land)	Not Regulated.			
IMO (Water)	Not Regulated.			
ICAO (Air)	Not Regulated.			

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	No Data.
SARA Title III: (Superfund Amendments & Reauthorization Act)	No Data.
OSHA: (Occupational Safety & Health Administration)	No Data.
TSCA: (Toxic Substance Control Act)	No Data.
VOC: (volatile Organic Compounds)	No Data.
CPR: (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
EINECS: (European Inventory of Existing Commercial Chemical Substances)	No Data.
DSL / NDSL: (Canadian Domestic Substance List)(Non-Domestic Substance List)	No Data.
CERCLA: (Comprehensive Response Compensation & Liability Act)	No Data.
IDL: (Canadian Ingredient Disclosure List)	No Data.
HFPA (HMIS) Rating: (Hazardous Materials Identification System)	Health: 1 Flammability: 0 Reactivity: 0 Specific: NA

SECTION 16 – OTHER INFORMATION

SPECIFIC ACTIVITY: 0.0000000508 uCi/g

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Street Address 2008 Altom Court	City St. Louis	State MO	Postal Code 63146-4151	Last Update 5/22/07
Product Name Sulfuric Acid	Product Number 4804-0, 4798-2 & W017-0	Product Use Inorganic acid solution for water testing.		EPA Registration # N/A

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>% By Wt.</u>	<u>CAS Number</u>	<u>TLV</u>	<u>PEL</u>
Sulfuric acid	5	7664-93-9	TLV: 1 mg/m ³ STEL: 3 mg/m ³	PEL: 1 mg/m ³
Deionized water	to 100	7732-18-5		

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: ROUTE(S) OF ENTRY: Ingestion & Skin. TARGET ORGAN(S): Eyes, skin.
Potential Health Effects
Eyes: Corrosive. Contact may cause severe burns.
Skin: Corrosive. Contact may cause severe burns.
Ingestion: Corrosive. May cause severe gastrointestinal irritation, burns of mouth, esophagus, and stomach.
Inhalation: NA
Chronic Exposure: No Data.
Carcinogenicity: NTP No IARC No OSHA No
Medical Conditions Aggravated by Exposure: Eye and skin conditions

SECTION 4 – FIRST AID MEASURES

Eyes: Immediately flush eyes and skin with water for 20 minutes or until chemical is removed. Call physician.
Skin: Wash skin thoroughly with soap and water.
Ingestion: Give large amounts of water or large amounts of water with milk of magnesia. Call physician. DO NOT INDUCE VOMITING. DO NOT give anything by mouth to a person who is unconscious, rapidly losing consciousness, or convulsing.
Inhalation: NA

SECTION 5 – FIREFIGHTING MEASURES

Flash Point: NA°C/NA°F
Autoignition Temp: No Data.°C/No Data.°F
Hazardous Products of Combustion: No Data.
Flammable Limits in Air: LEL: NA UEL: NA
Extinguishing Media: Dry chemical, carbon dioxide
Fire and Explosion Hazards: May react violently with water. May react with metals to produce hydrogen gas. May ignite combustible materials. May emit toxic fumes of sulfur oxides.
Special Firefighting Procedures: Wear self-contained (positive pressure if available) breathing apparatus and special protective clothing

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Neutralize with soda ash. Absorb with vermiculite or other inert material. Containerize for later disposal.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.

Storage Requirements: Cool, dry area. Avoid direct sunlight.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: No Data.

Eye Protection: safety glasses, face shield

Protective Clothing: Rubber gloves, lab coat, rubber apron

Exposure Guidelines: No Data.

Specific Engineering Controls (such as ventilation, enclosed process): No Data.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid	Freezing Point: No Data.°C/No Data.°F	% Volatile by Weight: 100%
Color: Clear, colorless	Vapor Density [air =1]: .6	Evaporation Rate: No Data.
Odor: None	Vapor Pressure: (mm Hg): 17	Specific Gravity: 1.03
Boiling Point: 110°C/230°F	Solubility in Water: Soluble	pH (concentrate): 0.6

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: No Data.

Hazardous Polymerization: No Data.

Incompatibilities: No Data.

Reactive Conditions to avoid: Extreme heat, temperatures. Contact with strong alkali, metals.

Decomposition Products: No Data.

SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD 50 of Ingredient (Specify Species)	LC50 of Ingredient (Specify Species)
Sulfuric acid	7664-93-9		LD50(oral-rat): 2140 mg/kg	

SECTION 12 – ECOLOGICAL INFORMATION

Hazardous Ingredients	Aquatic Toxicity Data
No Data.	

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Incineration or other method to comply with all local, state, and federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

Special Shipping Information: DOT Regulated.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT (Land)				ORM-D
IMO (Water)	No Data.			
ICAO (Air)	No Data.			

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	No Data.
SARA Title III: (Superfund Amendments & Reauthorization Act)	No Data.
OSHA: (Occupational Safety & Health Administration)	No Data.
TSCA: (Toxic Substance Control Act)	No Data.
VOC: (volatile Organic Compounds)	No Data.
CPR: (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
EINECS: (European Inventory of Existing Commercial Chemical Substances)	No Data.
DSL / NDSL: (Canadian Domestic Substance List)(Non-Domestic Substance List)	No Data.
CERCLA: (Comprehensive Response Compensation & Liability Act)	No Data.
IDL: (Canadian Ingredient Disclosure List)	No Data.
HFPA (HMIS) Rating: (Hazardous Materials Identification System)	Health: 3 Flammability: 0 Reactivity: 1 Special: NA

SECTION 16 – OTHER INFORMATION

No Data.

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.



MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Name Nu-Calgon Wholesaler, Inc.	Phone Number (314) 469-7000 / (800) 554-5499	CHEMTREC (800) 424-9300		
Street Address 2008 Altom Court	City St. Louis	State MO	Postal Code 63146-4151	Last Update 5/22/07
Product Name Thiosulfate	Product Number 4798-2 & 4804-0	Product Use Inorganic salt solution for water testing.		EPA Registration # N/A

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>% By Wt.</u>	<u>CAS Number</u>	<u>TLV</u>	<u>PEL</u>
Sodium thiosulfate	<5	7772-98-7		
Nonhazardous ingredients	<1	NA		
Deionized water	to 100	7732-18-5		

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: ROUTE(S) OF ENTRY: Ingestion & Skin. TARGET ORGAN(S): Eyes, skin

Potential Health Effects

Eyes: Contact may cause irritation.

Skin: Contact may cause irritation.

Ingestion: Large quantities may cause gastrointestinal irritation.

Inhalation: NA

Chronic Exposure: No Data.

Carcinogenicity: NTP No IARC No OSHA No

Medical Conditions Aggravated by Exposure: Eye and skin conditions.

SECTION 4 – FIRST AID MEASURES

Eyes: Immediately flush eyes with water for 20 minutes or until chemical is removed. Call physician.

Skin: Wash skin thoroughly with soap and water.

Ingestion: Give large amounts of water. Call physician. Induce vomiting under direction of physician. DO NOT induce vomiting or give anything by mouth to a person who is unconscious, rapidly losing consciousness, or convulsing.

Inhalation: NA

SECTION 5 – FIREFIGHTING MEASURES

Flash Point: NA°C/NA°F

Autoignition Temp: No Data.°C/No Data.°F

Hazardous Products of Combustion: No Data.

Flammable Limits in Air: LEL: NA UEL: NA

Extinguishing Media: NA

Fire and Explosion Hazards: May emit toxic fumes of sulfur oxides, hydrogen sulfide.

Special Firefighting Procedures: Wear self-contained (positive pressure if available) breathing apparatus and full-protective clothing

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Absorb with vermiculite or other inert material. Containerize for later disposal.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.

Storage Requirements: Cool, dry area. Avoid direct sunlight.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: No Data.

Eye Protection: safety glasses

Protective Clothing: General purpose gloves, lab coat

Exposure Guidelines: No Data.

Specific Engineering Controls (such as ventilation, enclosed process): No Data.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid	Freezing Point: No Data.°C/No Data.°F	% Volatile by Weight: BY VOLUME: 97%
Color: Clear, colorless	Vapor Density [air =1]: .6	Evaporation Rate: No Data.
Odor: None	Vapor Pressure: (mm Hg): 17	Specific Gravity: 1
Boiling Point: 100°C/212°F	Solubility in Water: Soluble	pH (concentrate): 9.6

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: No Data.

Hazardous Polymerization: No Data.

Incompatibilities: No Data.

Reactive Conditions to avoid: Extreme heat, temperatures. Contact with acids, strong oxidizers.

Decomposition Products: No Data.

SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD 50 of Ingredient (Specify Species)	LC50 of Ingredient (Specify Species)
Sodium thiosulfate	7772-98-7		LD50(oral-rat): >5000 mg/kg	

SECTION 12 – ECOLOGICAL INFORMATION

Hazardous Ingredients	Aquatic Toxicity Data
No Data.	

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Incineration or other method to comply with all local, state, and federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

Special Shipping Information: Not Regulated.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT (Land)	Not Regulated.			
IMO (Water)	Not Regulated.			
ICAO (Air)	Not Regulated.			

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	No Data.
SARA Title III: (Superfund Amendments & Reauthorization Act)	No Data.
OSHA: (Occupational Safety & Health Administration)	No Data.
TSCA: (Toxic Substance Control Act)	No Data.
VOC: (volatile Organic Compounds)	No Data.
CPR: (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
EINECS: (European Inventory of Existing Commercial Chemical Substances)	No Data.
DSL / NDSL: (Canadian Domestic Substance List)(Non-Domestic Substance List)	No Data.
CERCLA: (Comprehensive Response Compensation & Liability Act)	No Data.
IDL: (Canadian Ingredient Disclosure List)	No Data.
HFPA (HMIS) Rating: (Hazardous Materials Identification System)	Health: 0 Flammability: 0 Reactivity: 0 Specific: NA

SECTION 16 – OTHER INFORMATION

No Data.

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.



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Company Name Nu-Calgon Wholesaler, Inc.	Phone Number (314) 469-7000 / (800) 554-5499	CHEMTREC (800) 424-9300		
Street Address 2008 Altom Court	City St. Louis	State MO	Postal Code 63146-4151	Last Update 5/23/7
Product Name XO Indicator Powder	Product Number 4798-2 & 4804-0	Product Use Inorganic salt/organic dye mixture for water testing.		EPA Registration # N/A

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>% By Wt.</u>	<u>CAS Number</u>	<u>TLV</u>	<u>PEL</u>
Potassium chloride	>98	7447-40-7	NE	NE
Nonhazardous ingredients	<1	NA	NE	NE

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: ROUTE(S) OF ENTRY: Inhalation, Ingestion & Skin. TARGET ORGAN(S): Eyes, skin, respiratory tract
Potential Health Effects
Eyes: Irritant
Skin: Irritant. Contact may cause staining.
Ingestion: Irritant. May cause gastrointestinal irritation.
Inhalation: Irritant
Chronic Exposure: No Data.
Carcinogenicity: NTP No IARC No OSHA No
Medical Conditions Aggravated by Exposure: Eye, skin, and respiratory conditions

SECTION 4 – FIRST AID MEASURES

Eyes: Immediately flush eyes with water for 20 minutes or until chemical is removed. Call physician.
Skin: Wash skin thoroughly with soap and water.
Ingestion: Give large amounts of water. Call physician. Induce vomiting under direction of physician. DO NOT induce vomiting or give anything by mouth to a person who is unconscious, rapidly losing consciousness, or convulsing.
Inhalation: Remove to fresh air. Call physician.

SECTION 5 – FIREFIGHTING MEASURES

Flash Point: NA°C/NA°F
Autoignition Temp: NA°C/NA°F
Hazardous Products of Combustion: No Data.
Flammable Limits in Air: LEL: NA UEL: NA
Extinguishing Media: NA
Fire and Explosion Hazards: May emit toxic fumes of chlorine.
Special Firefighting Procedures: Wear self-contained (positive pressure if available) breathing apparatus and full-protective clothing

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Sweep up. Avoid raising dust. Containerize for later disposal.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.

Storage Requirements: Cool, dry area. Avoid direct sunlight.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: No Data.

Eye Protection: safety glasses.

Protective Clothing: General purpose gloves, lab coat, dust mask

Exposure Guidelines: No Data.

Specific Engineering Controls (such as ventilation, enclosed process): No Data.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Solid	Freezing Point: NA°C/NA°F	% Volatile by Weight: No Data.%
Color: Purple crystals	Vapor Density [air =1]: NA	Evaporation Rate: NA
Odor: None	Vapor Pressure: NA	Specific Gravity: 2
Boiling Point: NA°C/NA°F	Solubility in Water: Soluble	pH (concentrate): NA

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: No Data.

Hazardous Polymerization: No Data.

Incompatibilities: No Data.

Reactive Conditions to avoid: Extreme heat, temperatures. Contact with strong oxidizers, bromine trifluoride, (sulfuric acid + potassium permanganate).

Decomposition Products: No Data.

SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD 50 of Ingredient (Specify Species)	LC50 of Ingredient (Specify Species)
Potassium chloride	7447-40-7		LDLo(oral-hmn): 500 mg/kg	

SECTION 12 – ECOLOGICAL INFORMATION

Hazardous Ingredients	Aquatic Toxicity Data
No Data.	

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Incineration or other method to comply with all local, state, and federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

Special Shipping Information: Not Regulated.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT (Land)	Not Regulated.			
IMO (Water)	Not Regulated.			
ICAO (Air)	Not Regulated.			

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	No Data.
SARA Title III: (Superfund Amendments & Reauthorization Act)	No Data.
OSHA: (Occupational Safety & Health Administration)	No Data.
TSCA: (Toxic Substance Control Act)	No Data.
VOC: (volatile Organic Compounds)	No Data.
CPR: (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
EINECS: (European Inventory of Existing Commercial Chemical Substances)	No Data.
DSL / NDSL: (Canadian Domestic Substance List)(Non-Domestic Substance List)	No Data.
CERCLA: (Comprehensive Response Compensation & Liability Act)	No Data.
IDL: (Canadian Ingredient Disclosure List)	No Data.
HFPA (HMIS) Rating: (Hazardous Materials Identification System)	Health: 0 Flammability: 0 Reactivity: 0 Specific: NA

SECTION 16 – OTHER INFORMATION

No Data.

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.