

Safety Data Sheet

This SDS pertains to the following OI Analytical products.
Part #'s: DN1105, 860160, 860170

<p>1. IDENTIFICATION</p> <p>1.1 Product Identifier Product Name: DPD POWDER FOR FREE ANALYZERS Catalog Numbers: DN-1105, 860160, 860170 CAS Number: 6283-63-2 Chemical Formula: C₁₀H₁₆N₂ · H₂SO₄ Molecular Weight: 262.33 g/mol</p> <p>1.2 Other Means of Identification Synonyms: N,N-Diethyl-p-phenylenediamine Sulfate Salt, 4-Amino-N,N-diethylanilinesulfate salt</p> <p>1.3 Recommended use of the chemical and restrictions on use Product Use: Analytical / Laboratory Reagent</p> <p>1.4 Supplier's Detail Manufacturer: OI Analytical Address: 151 Graham Road College Station, Texas 77845 General Information: (979) 690-1711 Monday thru Friday 8:00am-5:00 pm CST</p> <p>1.5 Emergency Phone Number Transportation Emergency Number: CHEMTREC® 24 hr US 800-424-9300 CHEMTREC® 24 hr International 703-527-3887</p> <p>2. HAZARDS IDENTIFICATION</p> <p>2.1 Classification of the substance or mixture: Health: Acute Toxicity (Oral): Category 4 Skin Corrosion/Irritation: Category 3 Skin Sensitizer: Category 1B Eye Damage/Irritation: Category 2B Specific Target Organ Toxicity (single exposure): Category 3</p> <p>2.2 GHS label elements, including precautionary statements:</p> <div style="text-align: center;"> </div> <p>Pictogram: Signal word: WARNING Hazard Statements: H302 – Harmful if swallowed H316 – Causes mild skin irritation H317 – May cause an allergic skin reaction H320 – Causes eye irritation</p> <p>Precautionary Statements: P261 – Avoid breathing dust. P264 – Wash hands thoroughly after handling P270 – Do not eat, drink or smoke when using this product P271 – Use only outdoors or in well-ventilated area. P272 – Contaminated work clothing should not be allowed out of the workplace. P280 – Wear protective gloves. P305+P351+P338 – IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P312+P330 – IF SWALLOWED Rinse Mouth with Water. Call a POISON CENTER or doctor if you feel unwell. P302+P352 – IF ON SKIN wash Thoroughly With plenty of water and soap. Consult a Physician. P332+P313 – IF skin irritation or rash occurs, get medical attention. P304+340 – IF INHALED remove person to fresh air and keep comfortable for breathing. P362+P364 – Take off contaminated clothing and wash it before reuse. P403+P233 – Store in a well-ventilated place. Keep container tightly closed. P405 – Store locked up P501 – Dispose of contents/container in accordance with local, regional, national and international regulations.</p> <p>2.3 Other hazards which do not result in classification: None</p> <p>3. COMPOSITION / INFORMATION ON INGREDIENTS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Component</th> <th style="text-align: left;">Cas Number</th> <th style="text-align: left;">Weight %</th> </tr> </thead> <tbody> <tr> <td>N,N-Diethyl-p-phenylenediamine Sulfate Salt</td> <td>6283-63-2</td> <td>100%</td> </tr> </tbody> </table> <p>4. FIRST AID MEASURES</p> <p>4.1 Description of necessary first-aid measures Eye Contact: Rinse Thoroughly With Plenty of Water for at Least 15 Minutes. Consult a Physician. Skin Contact: Wash Thoroughly With Soap and Water. Consult a Physician. Inhalation: Remove to Fresh Air. If Not Breathing, Give Artificial Respiration. Consult a Physician. Ingestion: Never Give Anything By Mouth to an Unconscious Person. Rinse Mouth with Water. Consult a Physician.</p>	Component	Cas Number	Weight %	N,N-Diethyl-p-phenylenediamine Sulfate Salt	6283-63-2	100%	<p>4.2 Most important symptoms/effects, acute and delayed Described in section 2.2 and/or section 11</p> <p>4.3 Indication of immediate medical attention and special treatment needed None</p> <p>5. FIRE-FIGHTING MEASURES</p> <p>5.1 Suitable Extinguishing Media: Water, Alcohol-Resistant Foam, Dry Chemical or Carbon Dioxide</p> <p>5.2 Specific hazards arising from the chemical: Unusual Fire and Exposure Hazards: During a fire, this product decomposes to form toxic gases. Combustion Products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides</p> <p>5.3 Special protective actions for fire-fighters: Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear. NFPA Classification HEALTH: 2 FLAMMABLE: 0 REACTIVITY: 0</p> <p>6. ACCIDENTAL RELEASE MEASURES</p> <p>6.1 Personal precautions, protective equipment and emergency procedures: Use Personal Protective Equipment Such as Safety Glasses, Dust Mask, Latex or Nitrile Gloves, and Lab Coat. Avoid Dust Formation. Avoid Breathing Dust.</p> <p>6.2 Environmental precautions: Ensure Adequate Ventilation.</p> <p>6.3 Methods and materials for containment and cleaning up Pick Up and Arrange Disposal Without Creating Dust. Keep in Suitable, Closed Containers for Disposal.</p> <p>7. HANDLING AND STORAGE</p> <p>7.1 Precautions for safe handling: Avoid Formation of Dust and Aerosols. Provide Appropriate Exhaust Ventilation at Places Where Dust is Formed. Normal Measures for Preventive Fire Protection.</p> <p>7.2 Conditions for safe storage, including any incompatibilities: Keep Container Tightly Closed in a Dry, Well Ventilated Place. Light and Moisture Sensitive.</p> <p>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</p> <p>8.1 Control parameters: No data available 8.2 Appropriate engineering Controls Maintain General Industrial Hygiene Practices When Using This Product.</p> <p>8.3 Personal Protective Equipment: Eyes: Safety glasses Skin: Lab Coat, and Latex or Nitrile Gloves Respiratory: Dust Mask</p> <p>9. PHYSICAL AND CHEMICAL PROPERTIES</p> <p>9.1 Information on basic physical and chemical properties Appearance: Solid white powder Odor: Odorless Odor threshold: No data available pH: No data available Melting point/freezing point: 184-187°C (363-369°F) Initial boiling point and boiling range: No data available Flashpoint: No data available Evaporation Rate (Water=1): No data available Flammability: No data available Lower Flammability Limit: No data available Upper Flammability Limit: No data available Vapor Pressure: No data available Vapor Density: No data available Relative Density: No data available Water solubility: No data available Octanol / Water Partition Coefficient: No data available Autoignition Temperature: No data available Decomposition Temperature: No data available Viscosity: No data available Explosive properties: No data available Oxidizing properties: No data available</p> <p>10. STABILITY AND REACTIVITY</p> <p>10.1 Reactivity No data available</p> <p>10.2 Chemical Stability Stable Under Recommended Storage Conditions.</p> <p>3 Possibility of hazardous reactions No data available</p> <p>10.4 Conditions to avoid Avoid Strong Oxidizing Agents.</p> <p>10.5 Incompatible materials No data available</p>
Component	Cas Number	Weight %					
N,N-Diethyl-p-phenylenediamine Sulfate Salt	6283-63-2	100%					

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Part #'s: DN1105, 860160, 860170

10.6 Hazardous decomposition products
Hazardous Decomposition Products Formed Under Fire Conditions Such as Carbon Oxides, Nitrogen Oxides, and Sulfur Oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information

Acute Toxicity: Irritation and redness of eyes, skin and gastrointestinal tract.
Skin corrosion/irritation: irritation and redness of the skin.
Serious Eye damage/irritation: Irritation and redness of the eyes
Respiratory or skin sensitization: May Cause Allergic Reaction.
Germ cells mutagenicity: No data available
Carcinogenicity: No component in this product present greater than or equal to 0.10% is identified as a probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive toxicity: No data available
Specific Target organ toxicity – single exposure: May cause allergic reaction
Specific Target organ toxicity – repeated exposure: No data available
Aspiration Hazards: No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Methods

Dispose of in a manner consistent with Federal, State and Local Regulations.

14. TRANSPORT INFORMATION

US DOT (United States Department of Transportation): Not regulated
IATA (International Air Transport Association): Not regulated
IMO (International Maritime Organization): Not regulated

15. REGULATORY INFORMATION

CERCLA: No
SARA/Title III: Acute Health Hazard
TSCA Inventory: Listed
Cal. Proposition 65: None
WHMIS: No
DSL: No
NDSL: No

16. OTHER INFORMATION

ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.

Safety Data Sheet

This SDS pertains to the following OI Analytical products.
Part #'s: DN1105, 860160, 860170

<p>1. IDENTIFICATION</p> <p>1.1 Product Identifier Product Name: FREE JAW (JUST ADD WATER) INDICATOR Catalog Numbers: DN-1105, 860160, 860170 CAS Number: 6192-52-5 Chemical Formula: C₇H₆O₃S · H₂O Molecular Weight: 190.22 g/mol</p> <p>1.2 Other Means of Identification Synonyms: p-Toluenesulfonic Acid</p> <p>1.3 Recommended use of the chemical and restrictions on use Product Use: Analytical / Laboratory Reagent</p> <p>1.4 Supplier's Detail Manufacturer: OI Analytical Address: 151 Graham Road College Station, Texas 77845 General Information: (979) 690-1711 Monday thru Friday 8:00am-5:00 pm CST</p> <p>1.5 Emergency Phone Number Transportation Emergency Number: CHEMTREC® 24 hr US 800-424-9300 CHEMTREC® 24 hr International 703-527-3887</p> <p>2. HAZARDS IDENTIFICATION</p> <p>2.1 Classification of the substance or mixture: Health: Acute toxicity: Category 4 Skin corrosion/irritation: Category 1 Eye irritation: Category 1 Specific target organ – single exposure: Category 3</p> <p>2.2 GHS label elements, including precautionary statements:</p> <div style="text-align: center;"> </div> <p>Pictogram: Signal word: DANGER Hazardous Statements: H302 – Harmful if swallowed H312 – Harmful in contact with skin H332 – Harmful if inhaled H314 – Causes severe skin burns and eye damage H335 – May cause respiratory irritation</p> <p>Precautionary Statements: P260 – Do not breathe dusts or mists P264 – Wash thoroughly after handling P270 – Do not eat, drink or smoke when using this product P271 – Use only outdoors or in well-ventilated area P280 – Wear protective gloves/protective clothing and eye protection/face protection P301+P330+P331 – IF SWALLOWED Do NOT Induce Vomiting Unless Directed by Medical Personnel. Rinse mouth. Never Give Anything By Mouth to an Unconscious Person. Get Medical Attention. P302+P352 - IF ON SKIN Immediately Flush Skin with Plenty of Water for at Least 15 Minutes P303+P361+P353 – IF ON SKIN take off all contaminated clothing. Rinse skin with water P304+P340 – IF INHALED remove person to fresh air and keep comfortable for breathing. P305+P351+P338 – IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310+P312 – Immediately call a POISON CENTER or doctor P362+P363+P364 – Take off contaminated clothing and wash it before reuse. P403 +P233 – Store in a well-ventilated place. Keep container tightly closed. P405 – Store lock up P501 – Dispose of contents/container in accordance with local / regional / national / international regulations.</p> <p>2.3 Other hazards which do not result in classification: None</p> <p>3. COMPOSITION / INFORMATION ON INGREDIENTS</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>Component</th> <th>Cas Number</th> <th>Weight %</th> </tr> </thead> <tbody> <tr> <td>p-Toluenesulfonic Acid</td> <td>6192-52-5</td> <td>100%</td> </tr> </tbody> </table> <p>4. FIRST AID MEASURES</p> <p>4.1 Description of necessary first-aid measures Eye Contact: Immediately Flush Eyes with Plenty of Water for at Least 15 Minutes. Get Medical Attention. Skin Contact: Immediately Flush Skin with Plenty of Water for at Least 15 Minutes While Removing Contaminated Clothing and Shoes. Wash Clothing Before Reuse. Get Medical Attention. Inhalation: Remove to Fresh Air. If Not Breathing, Give Artificial Respiration. If Breathing is Difficult, Give Oxygen. Get Medical Attention. Attention.</p>	Component	Cas Number	Weight %	p-Toluenesulfonic Acid	6192-52-5	100%	<p>Ingestion: Do NOT Induce Vomiting Unless Directed by Medical Personnel. Never Give Anything By Mouth to an Unconscious Person. Get Medical</p> <p>4.2 Most important symptoms/effects, acute and delayed Described in section 2.2 and/or section 11</p> <p>4.3 Indication of immediate medical attention and special treatment needed, if Necessary None</p> <p>5. FIRE-FIGHTING MEASURES</p> <p>5.1 Suitable Extinguishing Media: Dry Chemical, Water Spray, or Foam</p> <p>5.2 Specific hazards arising from the chemical: None</p> <p>5.3 Special protective actions for fire-fighters: Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear. NFPA Classification HEALTH: 3 FLAMMABLE: 1 REACTIVITY: 1</p> <p>6. ACCIDENTAL RELEASE MEASURES</p> <p>6.1 Personal precautions, protective equipment and emergency procedures: Wear Personal Protective Equipment such as Safety Glasses, Latex or Nitrile Gloves, Lab Coat, and Dust Mask.</p> <p>6.2 Environmental precautions: Keep away from drains, surface and ground water.</p> <p>6.3 Methods and materials for containment and cleaning up Sweep Up Material and Place in a Container for Disposal. Material May Neutralized with Dilute Sodium Carbonate.</p> <p>7. HANDLING AND STORAGE</p> <p>7.1 Precautions for safe handling: Keep Container Dry. Keep Away from Heat and Sources of Ignition. Do Not Ingest. Avoid Breathing Dust. Avoid Contact with Eyes and Skin.</p> <p>7.2 Conditions for safe storage, including any incompatibilities: Keep Container Tightly Closed and Store in a Cool, Well Ventilated Area.</p> <p>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</p> <p>8.1 Control parameters: Not established</p> <p>8.2 Appropriate engineering Controls Maintain General Industrial Hygiene Practices When Using This Product.</p> <p>8.3 Personal Protective Equipment: Eyes: Safety glasses Skin: Lab Coat, and Latex or Nitrile Gloves Respiratory: Dust Mask</p> <p>9. PHYSICAL AND CHEMICAL PROPERTIES</p> <p>9.1 Information on basic physical and chemical properties Appearance: Solid white powder Odor: Slight odor Odor threshold: Not determined pH: 1-2, Acidic Melting point/freezing point: 107°C (225°F) Initial boiling point and boiling range: 140°C (284°F) Flashpoint: >250°C (446°F) Evaporation Rate (Water=1): Not determined Flammability: Not determined Lower Flammability Limit: Not determined Upper Flammability Limit: Not determined Vapor Pressure: Not determined Vapor Density: Not determined Relative Density: 0.72 (Water=1) Water solubility: Soluble in water Octanol / Water Partition Coefficient: Not determined Autoignition Temperature: Not determined Decomposition Temperature: Not determined Viscosity: Not determined Explosive properties: Not determined Oxidizing properties: Not determined</p> <p>10. STABILITY AND REACTIVITY</p> <p>10.1 Reactivity: None</p> <p>10.2 Chemical Stability Product is Stable Under Normal Handling and Storage Conditions.</p> <p>10.3 Possibility of hazardous reactions May Be Combustible at High Temperature.</p> <p>10.4 Conditions to avoid High temperatures</p> <p>10.5 Incompatible materials Not determined</p> <p>10.6 Hazardous decomposition products None</p>
Component	Cas Number	Weight %					
p-Toluenesulfonic Acid	6192-52-5	100%					

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This SDS pertains to the following OI Analytical products.
Part #'s: DN1105, 860160, 860170

<p>11. TOXICOLOGICAL INFORMATION</p> <p>11.1 Information Acute Toxicity: Irritation and burns of eyes, skin and respiratory tract. Skin corrosion/irritation: Irritation and burns of skin Serious Eye damage/irritation: Irritation and burns of eyes. Respiratory or skin sensitization: Irritation and burns of respiratory tract. Germ cells mutagenicity: None Carcinogenicity: No component in this product present greater than or equal to 0.10% is identified as a probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA. Reproductive toxicity: None Specific Target organ toxicity – single exposure: May cause respiratory irritation Specific Target organ toxicity – repeated exposure: Not determined Aspiration Hazards: Not determined</p> <p>12. ECOLOGICAL INFORMATION</p> <p>12.1 Toxicity Not determined</p> <p>12.2 Persistence and degradability Not determined</p> <p>12.3 Bioaccumulative potential Not determined</p> <p>12.4 Mobility in soil Not determined</p> <p>12.5 Other adverse effects Not determined</p> <p>13. DISPOSAL CONSIDERATIONS</p> <p>13.1 Disposal Methods Dispose of in a manner consistent with Federal, State and Local Regulations.</p> <p>14. TRANSPORT INFORMATION</p> <p>US DOT (United States Department of Transportation): PROPER SHIPPING NAME: Aryl Sulfonic Acids, Solid HAZARD CLASS: 8 UN NUMBER: UN2585 PACKING GROUP: III</p> <p>IATA (International Air Transport Association): PROPER SHIPPING NAME: Arylsulphonic Acids, Solid HAZARD CLASS: 8 UN NUMBER: UN2585 PACKING GROUP: III</p> <p>IMO (International Maritime Organization): PROPER SHIPPING NAME: Arylsulphonic Acids, Solid HAZARD CLASS: 8 UN NUMBER: UN2585 PACKING GROUP: III</p> <p>15. REGULATORY INFORMATION</p> <p>DSCL (EEC): R36/37/38-Irritating to Eyes, Respiratory System, and Skin. S26-In Case of Contact with Eyes, Rinse Immediately with Plenty of Water and Seek Medical Advice. S28-After Contact with Skin, Wash Immediately with Plenty of Water. S36/37/39-Wear Suitable Protective Clothing, Gloves, and Eye/Face Protection.</p> <p>US / CANADA INFORMATION: OSHA: Hazardous By Definition of Hazard Communication Standard (29 CFR 1910.1200) WHMIS (Canada): CLASS E: Corrosive Solid</p> <p>16. OTHER INFORMATION</p> <p>ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.</p>	
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Part #'s: DN1105, 860160, 860170

<p>1. IDENTIFICATION</p> <p>1.1 Product Identifier Product Name: FREE JAW (JUST ADD WATER) CHLORINE BUFFER Catalog Numbers: DN-1105, 860160, 860170 CAS Number: Mixture Chemical Formula: Mixture Molecular Weight: Mixture</p> <p>1.2 Other Means of Identification Synonyms: No data available</p> <p>1.3 Recommended use of the chemical and restrictions on use Product Use: Analytical / Laboratory Reagent</p> <p>1.4 Supplier's Detail Manufacturer: OI Analytical Address: 151 Graham Road College Station, Texas 77845 General Information: (979) 690-1711 Monday thru Friday 8:00am-5:00 pm CST</p> <p>1.5 Emergency Phone Number Transportation Emergency Number: CHEMTREC® 24 hr US 800-424-9300 CHEMTREC® 24 hr International 703-527-3887</p> <p>2. HAZARDS IDENTIFICATION</p> <p>2.1 Classification of the substance or mixture: Health: Acute Toxicity: Category 5 Skin Corrosion/Irritation: Category 3 Eye Damage/Irritation: Category 2B</p> <p>2.2 GHS label elements, including precautionary statements: Pictogram: None Signal word: WARNING Hazardous Statements: H303 – May be harmful if swallowed H313 – May be harmful in contact with skin H333 – May be harmful if inhaled H316 – Causes mild skin irritation H320 – Causes eye irritation Precautionary Statements: P264 – Wash thoroughly after handling P305+P351+P338 – IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304 – IF INHALED Remove from Exposure and Move to Fresh Air Immediately. If Not Breathing, Give Artificial Respiration. If Breathing is Difficult, Give Oxygen. Get Medical Aid if Cough or Other Symptoms P312 – Call a POISON CENTER or a doctor if you feel unwell. P332+P313 – If skin irritation occurs, get medical attention. P337+P313 – If eye irritation persists, get medical attention.</p> <p>2.3 Other hazards which do not result in classification: None</p> <p>3. COMPOSITION / INFORMATION ON INGREDIENTS</p> <table border="1"> <thead> <tr> <th>Component</th> <th>Cas Number</th> <th>Weight %</th> </tr> </thead> <tbody> <tr> <td>Trisodium Citrate Salt</td> <td>68-04-2</td> <td>95%</td> </tr> <tr> <td>Ethylenediaminetetraacetic Acid (EDTA)</td> <td>6381-92-6</td> <td>5%</td> </tr> </tbody> </table> <p>4. FIRST AID MEASURES</p> <p>4.1 Description of necessary first-aid measures Eye Contact: Flush Eyes with Plenty of Water for at Least 15 Minutes. Get Medical Aid Skin Contact: Flush Skin with Water for at Least 15 Minutes While Removing Contaminated Clothing and Shoes Inhalation: Remove from Exposure and Move to Fresh Air Immediately. If Not Breathing, Give Artificial Respiration. If Breathing is Difficult, Give Oxygen. Get Medical Aid if Cough or Other Symptoms Appear. Ingestion: Never Give Anything by Mouth to an Unconscious Person. Get Medical Aid. Do NOT Induce Vomiting. If Conscious and Alert, Rinse Mouth and Give Milk or Water.</p> <p>4.2 Most important symptoms/effects, acute and delayed Described in section 2.2 and/or section 11</p> <p>4.3 Indication of immediate medical attention and special treatment needed, if Necessary No data available</p> <p>5. FIRE-FIGHTING MEASURES</p> <p>5.1 Suitable Extinguishing Media: Water Spray, Dry Chemical, Carbon Dioxide, or Foam</p> <p>5.2 Specific hazards arising from the chemical: None</p> <p>5.3 Special protective actions for fire-fighters: Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear. NFPA Classification HEALTH: 2 FLAMMABLE: 1 REACTIVITY: 0</p>	Component	Cas Number	Weight %	Trisodium Citrate Salt	68-04-2	95%	Ethylenediaminetetraacetic Acid (EDTA)	6381-92-6	5%	<p>6. ACCIDENTAL RELEASE MEASURES</p> <p>6.1 Personal precautions, protective equipment and emergency procedures: Clean Up Spills Immediately Wearing Appropriate Personal Protective Equipment.</p> <p>6.2 Environmental precautions: Keep away from drains, surface and ground water.</p> <p>6.3 Methods and materials for containment and cleaning up Sweep Up and Place into a Container for Disposal. Avoid Generating Dusty Conditions. Provide Ventilation.</p> <p>7. HANDLING AND STORAGE</p> <p>7.1 Precautions for safe handling: Wash Thoroughly After Handling. Remove Contaminated Clothing and Wash Before Reuse. Use in Adequate Ventilation. Minimize Dust Generation and Accumulation. Avoid Contact with Eyes, Skin, and Clothing.</p> <p>7.2 Conditions for safe storage, including any incompatibilities: Keep Container Tightly Closed. Avoid Ingestion and Inhalation.</p> <p>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</p> <p>8.1 Control parameters: No data available</p> <p>8.2 Appropriate engineering Controls Maintain General Industrial Hygiene Practices When Using This Product.</p> <p>8.3 Personal Protective Equipment: Eyes: Safety glasses Skin: Lab Coat, and Latex or Nitrile Gloves Respiratory: Dust Mask</p> <p>9. PHYSICAL AND CHEMICAL PROPERTIES</p> <p>9.1 Information on basic physical and chemical properties Appearance: Solid white powder Odor: Odorless Odor threshold: No data available pH: 6-7 Melting point/freezing point: No data available Initial boiling point and boiling range: No data available Flashpoint: No data available Evaporation Rate (Water=1): No data available Flammability: No data available Lower Flammability Limit: No data available Upper Flammability Limit: No data available Vapor Pressure: No data available Vapor Density: No data available Relative Density: No data available Water solubility: Soluble Octanol / Water Partition Coefficient: No data available Autoignition Temperature: No data available Decomposition Temperature: >252°C Viscosity: No data available Explosive properties: No data available Oxidizing properties: No data available</p> <p>10. STABILITY AND REACTIVITY</p> <p>10.1 Reactivity: No data available</p> <p>10.2 Chemical Stability Stable at Room Temperature in Closed Containers Under Normal Storage and Handling Conditions.</p> <p>10.3 Possibility of hazardous reactions None</p> <p>10.4 Conditions to avoid None</p> <p>10.5 Incompatible materials None</p> <p>10.6 Hazardous decomposition products None</p> <p>11. TOXICOLOGICAL INFORMATION</p> <p>11.1 Information Acute Toxicity: irritation of eyes, skin and respiratory system Skin corrosion/irritation: Irritation of skin Serious Eye damage/irritation: Irritation of eyes Respiratory or skin sensitization: No data available Germ cells mutagenicity: No data available Carcinogenicity: No component in this product present greater than or equal to 0.10% is identified as a probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA. Reproductive toxicity: No data available Specific Target organ toxicity – single exposure: No data available Specific Target organ toxicity – repeated exposure: No data available Aspiration Hazards: No data available</p>
Component	Cas Number	Weight %								
Trisodium Citrate Salt	68-04-2	95%								
Ethylenediaminetetraacetic Acid (EDTA)	6381-92-6	5%								

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<p>12. ECOLOGICAL INFORMATION</p> <p>12.1 Toxicity No data available</p> <p>12.2 Persistence and degradability No data available</p> <p>12.3 Bioaccumulative potential No data available</p> <p>12.4 Mobility in soil No data available</p> <p>12.5 Other adverse effects No data available</p> <p>13. DISPOSAL CONSIDERATIONS</p> <p>13.1 Disposal Methods Dispose of in a manner consistent with Federal, State and Local Regulations.</p> <p>14. TRANSPORT INFORMATION</p> <p>US DOT (United States Department of Transportation): Not regulated IATA (International Air Transport Association): Not regulated IMO (International Maritime Organization): Not regulated</p> <p>15. REGULATORY INFORMATION</p> <p>CERCLA: No SARA/Title III: No TSCA Inventory: No Cal. Proposition 65: No WHMIS: No DSL: No NDSL: No</p> <p>16. OTHER INFORMATION</p> <p>ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.</p>	
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