

**ANALIS MATERIAL SAFETY DATA SHEET**

NAME OF KIT: **CEofix NTMP kit**  
PART NUMBER: **10-004780**  
EUROPN<sup>o</sup>: **A71142**

**SECTION I - GENERAL**

Manufacturer: **ANALIS S.A. Rue de Néverlée 11  
Zoning Industriel de Rhisnes  
B-5020 SUARLEE - BELGIUM**  
Phone: **+32/(0)81/255050**  
Fax: **+32/(0)81/231237**

**SECTION II - COMPONENT DATA**

CEofix NTMP kit is intended for analysis of proteins and peptides.

This kit contains the components listed below. The material safety data sheet for each component is attached.

**COMPONENTS**

CEofix NTMP Initiator (10mL)	(P/N 10-004784)
CEofix NTMP Buffer pH = 7,2 (25mL)	(P/N 10-004782)
CEofix NTMP Buffer pH = 4,0 (25mL)	(P/N 10-004783)
CEofix NTMP Diluent (50mL)	(P/N 10-004785)

**TRANSPORT INFORMATION**

Transportation of this product is not regulated under ICAO, IATA, US DOT, European ADR or Canadian TDG.

**ANALIS MATERIAL SAFETY DATA SHEET**  
*CEofix NTMP Initiator*

**SECTION I - COMPANY AND PRODUCT IDENTIFICATION**

NAME OF PRODUCT: **CEofix NTMP INITIATOR**  
 PART NUMBER: **10-004784**  
 Manufacturer: **ANALIS S.A. Rue de Néverlée 11**  
**Zoning Industriel de Rhisnes**  
**B-5020 SUARLEE - BELGIUM**  
 Phone: **+32/(0)81/255050**  
 Fax: **+32/(0)81/231237**

Chemical name and synonyms: NTMP aqueous solution (12,5 mmol/L) with polycation.  
 Buffer contains other non-hazardous constituents for optimal operation  
 Chemical family: Not available  
 Chemical formula: Not available

**SECTION II - COMPOSITION AND INFORMATION ON INGREDIENTS**

Hazardous ingredients: Not available  
 Sodium Hydroxide (NaOH) [C.A.S.:1310-73-2] Potential symptoms of overexposure are irritation of nose, burn eyes and skin, pneumonitis, temporary loss of hairs.  
 Nitriilo-tri-(methylphosphonic acid [C.A.S.: 6419-19-8]: Concentrated solutions are irritating to skin, mucous membranes.

**SECTION III - HAZARDS IDENTIFICATION**

Emergency overview Colorless; transparent; liquid; odourless non-flammable aqueous solution. May be harmful if swallowed.  
 Physical hazards No physical hazards were determined from a review of available literature.  
 Potential health effects summary This product does not meet EU, OSHA or WHMIS criteria for hazardous materials.

Product hazard classifications	<b>EU:</b> Not available	<b>WHMIS:</b> Exempt	<b>US OSHA:</b> Not applicable
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**SECTION IV - FIRST AID MEASURES**

Inhalation If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.  
 Eye contact If product enters eyes, wash gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.  
 Skin contact In case of skin contact, flush with copious amounts of water for at least 15 minutes. If pain or irritation occur, obtain medical attention.  
 Ingestion If product is swallowed, call physician or poison center for most current information. Never induce vomiting or give liquids to someone who is unconscious or cannot swallow.

**SECTION V - FIRE FIGHTING MEASURES**

Flash point	Not applicable
Flammable limits	Not applicable
Auto ignition temp.	Not applicable
Extinguishing media	Use extinguishing media suitable for surrounding fire.
Special fire and explosion hazards	No special hazards determined.
Hazardous combustion products	Due to the composition and volume of this product, combustion products generated from it are not expected to present a significant hazard.
Protective equipment for fire-fighters	Self-contained breathing apparatus is recommended for fire-fighters.

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

Personal precautions	Use universal precautions during clean up procedures.
Spill and leak procedures	Sweep up spill and place in container suitable for disposal.
Environmental precautions	Contain spill to prevent migration.

**SECTION VII - HANDLING AND STORAGE**

Handling precautions	No special precautions during clean up procedures.
Recommended storage conditions	Keep away from incompatible material. To maintain efficacy, store according to the instructions in the product labeling.

**SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Limits**

US OSHA	Non established
ACGIH	Non established
DFG MAK	Non established
Engineering controls	Use in well ventilated area.
Respiratory protection	Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels the use of respiratory protection should be evaluated by a qualified professional.
Eye protection	Safety glasses or chemical goggles should be worn to prevent eye contact.
Skin protection	Impervious gloves, such as latex or equivalent should be worn to prevent skin contact.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Liquid
Color	Colorless
Transparency	Clear
Odor	Odorless
Odor threshold	Not applicable
pH	7,2 ± 0,3
Boiling point	Not available
Melting point	Not available
Specific gravity	Not applicable
% volatile by volume	98%
Vapor pressure	Not available
Vapor density	Not available
Evaporation rate	Not available

**Solubility**

Water	Soluble
Organic	Not available

**SECTION X - STABILITY AND REACTIVITY**

Stability	Stable under normal temperatures and pressures.
Hazardous incompatibilities	Strong oxidizers
Hazardous decomposition products	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.
Conditions to avoid	Keep away from incompatible material.

**SECTION XI - TOXICOLOGICAL INFORMATION**

Toxicity data for hazardous ingredients	Not applicable
Primary routes of exposure	Common routes of entry include inhalation, ingestion and eye/skin contact. Specific paths of concern for potentially infectious materials are skin puncture, contact with broken skin, contact with mucous membranes and inhalation of aerosolized material.
Potential effects of acute exposure	Over-exposure may lead to redness, itching, burning of eyes and skin, and tearing of eyes. Central nervous system depression that may result in coma and death.
Potential effects of chronic exposure	In addition to the acute effects, over-exposure may be habit-forming. Chronic skin exposure may lead to allergic reactions.
Symptoms of overexposure	Symptoms of overexposure may include: redness, burning and watering of the eyes; dry, red, cracked skin; coughing and difficult breathing, central nervous system depression and coma.
Carcinogenicity	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.
Other effects	Reproductive effects have been reported.
Conditions Aggravated by Exposure	Individuals with central nervous system, cardiovascular, or kidney disorders may find these conditions aggravated by exposure to this product.

**SECTION XII - ECOLOGICAL INFORMATION**

Ecotoxicity	Toxic to fish and other water organisms.
Biodegradability	No information available
Mobility	No information available

**SECTION XIII - DISPOSAL CONSIDERATIONS**

Waste disposal	Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations; if unsure of the applicable requirements, contact the authorities for information.
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**SECTION XIV - TRANSPORT INFORMATION**

Transportation of this product is not regulated under ICAO, IATA, US DOT, European ADR or Canadian TDG

**SECTION XV - REGULATORY INFORMATION****US Federal and State Regulations**

SARA 313	No ingredients listed
CERCLA RG's 40 CFR 302.4	No ingredients listed
California Proposition 65	No ingredients listed
Massachusetts MSL	No ingredients listed
New Jersey Dept. of Health RTK List	No ingredients listed
Pennsylvania RTK	No ingredients listed
Florida Substance List	No ingredients listed

**EU Labeling Classification**

Not available

**Canada**

This product is exempt from WHMIS label and MSDS requirements.

**PIN:** Not applicable

**Ingredients on ingredient disclosure list:** Not available

**Ingredients with unknown toxicological properties:** Product is exempt.

**SECTION XVI - OTHER INFORMATION**

For further information, please contact our ANALIS representative.

A. DYNEROWICZ  
Production Manager R & D Department

**DISCLAIMER**

**The information, data and recommendations contained herein are based upon information believed by ANALIS S.A. to be accurate. However, ANALIS neither warrants the accuracy of this information nor assumes any legal responsibility in connection with its dissemination.**

**All materials and mixtures may present unknown hazards and should be used with caution when necessary or appropriate independent options regarding the risks of handling or exposure should be obtained from trained professionals.**

**ANALIS MATERIAL SAFETY DATA SHEET**  
*CEofix NTMP Buffer pH = 7,2*

**SECTION I - COMPANY AND PRODUCT IDENTIFICATION**

NAME OF PRODUCT: **CEofix NTMP BUFFER pH=7,2**  
PART NUMBER: **10-004782**  
Manufacturer: **ANALIS S.A. Rue de Néverlée 11  
Zoning Industriel de Rhisnes  
B-5020 SUARLEE - BELGIUM**  
Phone: **+32/(0)81/255050**  
Fax: **+32/(0)81/231237**  
Chemical name and synonyms: **NTMP aqueous solution (50 mmol/L) with polyanion.  
Buffer contains other non-hazardous constituents for optimal operation**  
Chemical family: **Not available**  
Chemical formula: **Not available**

**SECTION II - COMPOSITION AND INFORMATION ON INGREDIENTS**

Hazardous ingredients: **Not available**  
Sodium Hydroxide (NaOH) [C.A.S.:1310-73-2] **Potential symptoms of overexposure are irritation of nose, burn eyes  
and skin, pneumonitis, temporary loss of hairs.**  
Nitrilo-tri-(methylphosphonic acid [C.A.S.: 6419-19-8]: **Concentrated solutions are irritating to skin, mucous membranes.**

**SECTION III - HAZARDS IDENTIFICATION**

Emergency overview **Colorless; transparent; liquid; odorless non-flammable aqueous solution.  
May be harmful if swallowed.**  
Physical hazards **No physical hazards were determined from a review of available literature.**  
Potential health effects summary **This product does not meet EU, OSHA or WHMIS criteria for hazardous  
materials.**  
Product hazard classifications 

<b>EU:</b> Not available	<b>WHMIS:</b> Exempt	<b>US OSHA:</b> Not applicable
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**SECTION IV - FIRST AID MEASURES**

Inhalation **If product is inhaled, move exposed individual to fresh air. If individual  
is not breathing, begin artificial respiration immediately and obtain  
medical attention.**  
Eye contact **If product enters eyes, wash gently under running water for 15 minutes  
or longer, making sure that the eyelids are held open. If pain or irritation  
occur, obtain medical attention.**  
Skin contact **In case of skin contact, flush with copious amounts of water for at least  
15 minutes. If pain or irritation occur, obtain medical attention.**  
Ingestion **If product is swallowed, call physician or poison center for most current  
information. Never induce vomiting or give liquids to someone who is  
unconscious or cannot swallow.**

**SECTION V - FIRE FIGHTING MEASURES**

Flash point	Not applicable
Flammable limits	Not applicable
Auto ignition temp.	Not applicable
Extinguishing media	Use extinguishing media suitable for surrounding fire.
Special fire and explosion hazards	No special hazards determined.
Hazardous combustion products	Due to the composition and volume of this product, combustion products generated from it are not expected to present a significant hazard.
Protective equipment for fire-fighters	Self-contained breathing apparatus is recommended for fire-fighters.

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

Personal precautions	Use universal precautions during clean up procedures.
Spill and leak procedures	Sweep up spill and place in container suitable for disposal.
Environmental precautions	Contain spill to prevent migration.

**SECTION VII - HANDLING AND STORAGE**

Handling precautions	No special precautions during clean up procedures.
Recommended storage conditions	Keep away from incompatible material. To maintain efficacy, store according to the instructions in the product labeling.

**SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Limits**

US OSHA	Non established
ACGIH	Non established
DFG MAK	Non established
Engineering controls	Use in well ventilated area.
Respiratory protection	Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels the use of respiratory protection should be evaluated by a qualified professional.
Eye protection	Safety glasses or chemical goggles should be worn to prevent eye contact.
Skin protection	Impervious gloves, such as latex or equivalent should be worn to prevent skin contact.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Liquid
Color	Colorless
Transparency	Clear
Odor	Odorless
Odor threshold	Not applicable
pH	7,2 ± 0,3
Boiling point	Not available
Melting point	Not available
Specific gravity	Not applicable
% volatile by volume	98%
Vapor pressure	Not available
Vapor density	Not available
Evaporation rate	Not available

**Solubility**

Water	Soluble
Organic	Not available

**SECTION X - STABILITY AND REACTIVITY**

Stability	Stable under normal temperatures and pressures.
Hazardous incompatibilities	Strong oxidizers
Hazardous decomposition products	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.
Conditions to avoid	Keep away from incompatible material.

**SECTION XI - TOXICOLOGICAL INFORMATION**

Toxicity data for hazardous ingredients	Not applicable
Primary routes of exposure	Common routes of entry include inhalation, ingestion and eye/skin contact. Specific paths of concern for potentially infectious materials are skin puncture, contact with broken skin, contact with mucous membranes and inhalation of aerosolized material.
Potential effects of acute exposure	Over-exposure may lead to redness, itching, burning of eyes and skin, and tearing of eyes. Central nervous system depression that may result in coma and death.
Potential effects of chronic exposure	In addition to the acute effects, over-exposure may be habit-forming. Chronic skin exposure may lead to allergic reactions.
Symptoms of overexposure	Symptoms of overexposure may include: redness, burning and watering of the eyes; dry, red, cracked skin; coughing and difficult breathing, central nervous system depression and coma.
Carcinogenicity	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.
Other effects	Reproductive effects have been reported.
Conditions Aggravated by Exposure	Individuals with central nervous system, cardiovascular, or kidney disorders may find these conditions aggravated by exposure to this product.

**SECTION XII - ECOLOGICAL INFORMATION**

Ecotoxicity	Toxic to fish and other water organisms.
Biodegradability	No information available
Mobility	No information available

**SECTION XIII - DISPOSAL CONSIDERATIONS**

Waste disposal	Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations; if unsure of the applicable requirements, contact the authorities for information.
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**SECTION XIV - TRANSPORT INFORMATION**

Transportation of this product is not regulated under ICAO, IATA, US DOT, European ADR or Canadian TDG



**SECTION XV - REGULATORY INFORMATION****US Federal and State Regulations**

SARA 313	No ingredients listed
CERCLA RG's 40 CFR 302.4	No ingredients listed
California Proposition 65	No ingredients listed
Massachusetts MSL	No ingredients listed
New Jersey Dept. of Health RTK List	No ingredients listed
Pennsylvania RTK	No ingredients listed
Florida Substance List	No ingredients listed

**EU Labeling Classification**

Not available

**Canada**

This product is exempt from WHMIS label and MSDS requirements.

**PIN:** Not applicable

**Ingredients on ingredient disclosure list:** Not available

**Ingredients with unknown toxicological properties:** Product is exempt.

**SECTION XVI - OTHER INFORMATION**

For further information, please contact our ANALIS representative.

A. DYNEROWICZ  
Production Manager R & D Department

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**ANALIS MATERIAL SAFETY DATA SHEET**  
*CEofix NTMP Buffer pH = 4,0*

**SECTION I - COMPANY AND PRODUCT IDENTIFICATION**

NAME OF PRODUCT: **CEofix NTMP BUFFER pH = 4,0**  
PART NUMBER: **10-004783**

Manufacturer: **ANALIS S.A. Rue de Néverlée 11  
Zoning Industriel de Rhisnes  
B-5020 SUARLEE - BELGIUM**

Phone: **+32/(0)81/255050**  
Fax: **+32/(0)81/231237**

Chemical name and synonyms: NTMP aqueous solution (100 mmol/L) with polyanion. Buffer contains other non-hazardous constituents for optimal operation

Chemical family: Not available  
Chemical formula: Not available

**SECTION II - COMPOSITION AND INFORMATION ON INGREDIENTS**

Hazardous ingredients: Not available

Sodium Hydroxide (NaOH) [C.A.S.:1310-73-2] Potential symptoms of overexposure are irritation of nose, burn eyes and skin pneumonitis, temporary loss of hairs.

Nitrilo-tri-(methylphosphonic acid [C.A.S.: 6419-19-8]: Concentrated solutions are irritating to skin, mucous membranes.

**SECTION III - HAZARDS IDENTIFICATION**

Emergency overview Colorless; transparent; liquid; odourless non-flammable aqueous solution. May be harmful if swallowed.

Physical hazards No physical hazards were determined from a review of available literature.

Potential health effects summary This product does not meet EU, OSHA or WHMIS criteria for hazardous materials.

Product hazard classifications	<b>EU:</b> Not available	<b>WHMIS:</b> Exempt	<b>US OSHA:</b> Not applicable
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**SECTION IV - FIRST AID MEASURES**

Inhalation If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Eye contact If product enters eyes, wash gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.

Skin contact In case of skin contact, flush with copious amounts of water for at least 15 minutes. If pain or irritation occur, obtain medical attention.

Ingestion If product is swallowed, call physician or poison center for most current information. Never induce vomiting or give liquids to someone who is unconscious or cannot swallow.

**SECTION V - FIRE FIGHTING MEASURES**

Flash point	Not applicable
Flammable limits	Not applicable
Auto ignition temp.	Not applicable
Extinguishing media	Use extinguishing media suitable for surrounding fire.
Special fire and explosion hazards	No special hazards determined.
Hazardous combustion products	Due to the composition and volume of this product, combustion products generated from it are not expected to present a significant hazard.
Protective equipment for fire-fighters	Self-contained breathing apparatus is recommended for fire-fighters.

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

Personal precautions	Use universal precautions during clean up procedures.
Spill and leak procedures	Sweep up spill and place in container suitable for disposal.
Environmental precautions	Contain spill to prevent migration.

**SECTION VII - HANDLING AND STORAGE**

Handling precautions	No special precautions during clean up procedures.
Recommended storage conditions	Keep away from incompatible material. To maintain efficacy, store according to the instructions in the product labeling.

**SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Limits**

US OSHA	Non established
ACGIH	Non established
DFG MAK	Non established
Engineering controls	Use in well ventilated area.
Respiratory protection	Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels the use of respiratory protection should be evaluated by a qualified professional.
Eye protection	Safety glasses or chemical goggles should be worn to prevent eye contact.
Skin protection	Impervious gloves, such as latex or equivalent should be worn to prevent skin contact.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Liquid
Color	Colorless
Transparency	Clear
Odor	Odorless
Odor threshold	Not applicable
pH	4,0 ± 0,3
Boiling point	Not available
Melting point	Not available
Specific gravity	Not applicable
% volatile by volume	98%
Vapor pressure	Not available
Vapor density	Not available
Evaporation rate	Not available

**Solubility**

Water	Soluble
Organic	Not available

**SECTION X - STABILITY AND REACTIVITY**

Stability	Stable under normal temperatures and pressures.
Hazardous incompatibilities	Strong oxidizers
Hazardous decomposition products	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.
Conditions to avoid	Keep away from incompatible material.

**SECTION XI - TOXICOLOGICAL INFORMATION**

Toxicity data for hazardous ingredients	Not applicable
Primary routes of exposure	Common routes of entry include inhalation, ingestion and eye/skin contact. Specific paths of concern for potentially infectious materials are skin puncture, contact with broken skin, contact with mucous membranes and inhalation of aerosolized material.
Potential effects of acute exposure	Over-exposure may lead to redness, itching, burning of eyes and skin, and tearing of eyes. Central nervous system depression that may result in coma and death.
Potential effects of chronic exposure	In addition to the acute effects, over-exposure may be habit-forming. Chronic skin exposure may lead to allergic reactions.
Symptoms of overexposure	Symptoms of overexposure may include: redness, burning and watering of the eyes; dry, red, cracked skin; coughing and difficult breathing, central nervous system depression and coma.
Carcinogenicity	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.
Other effects	Reproductive effects have been reported.
Conditions Aggravated by Exposure	Individuals with central nervous system, cardiovascular, or kidney disorders may find these conditions aggravated by exposure to this product.

**SECTION XII - ECOLOGICAL INFORMATION**

Ecotoxicity	Toxic to fish and other water organisms.
Biodegradability	No information available
Mobility	No information available

**SECTION XIII - DISPOSAL CONSIDERATIONS**

Waste disposal	Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations; if unsure of the applicable requirements, contact the authorities for information.
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**SECTION XIV - TRANSPORT INFORMATION**

Transportation of this product is not regulated under ICAO, IATA, US DOT, European ADR or Canadian TDG

**SECTION XV - REGULATORY INFORMATION****US Federal and State Regulations**

SARA 313	No ingredients listed
CERCLA RG's 40 CFR 302.4	No ingredients listed
California Proposition 65	No ingredients listed
Massachusetts MSL	No ingredients listed
New Jersey Dept. of Health RTK List	No ingredients listed
Pennsylvania RTK	No ingredients listed
Florida Substance List	No ingredients listed

**EU Labeling Classification**

Not available

**Canada**

This product is exempt from WHMIS label and MSDS requirements.

**PIN:** Not applicable

**Ingredients on ingredient disclosure list:** Not available

**Ingredients with unknown toxicological properties:** Product is exempt.

**SECTION XVI - OTHER INFORMATION**

For further information, please contact our ANALIS representative.

A. DYNEROWICZ  
Production Manager R & D Department

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**ANALIS MATERIAL SAFETY DATA SHEET**  
*CEofix NTMP Diluent*

**SECTION I - COMPANY AND PRODUCT IDENTIFICATION**

NAME OF PRODUCT: **CEofix NTMP DILUENT**  
PART NUMBER: **10-004785**  
Manufacturer: **ANALIS S.A. Rue de Néverlée 11**  
**Zoning Industriel de Rhisnes**  
**B-5020 SUARLEE - BELGIUM**  
Phone: **+32/(0)81/255050**  
Fax: **+32/(0)81/231237**

Chemical name and synonyms: NTMP aqueous solution (50 mmol/L). Buffer contains other non-hazardous constituents for optimal operation  
Chemical family: Not available  
Chemical formula: Not available

**SECTION II - COMPOSITION AND INFORMATION ON INGREDIENTS**

Hazardous ingredients: Not available  
Sodium Hydroxide (NaOH) [C.A.S.:1310-73-2] Potential symptoms of overexposure are irritation of nose, burn eyes and skin pneumonitis, temporary loss of hairs.  
Nitrilo-tri-(methylphosphonic acid [C.A.S.: 6419-19-8]: Concentrated solutions are irritating to skin, mucous membranes.

**SECTION III - HAZARDS IDENTIFICATION**

Emergency overview Colorless; transparent; liquid; odourless non-flammable aqueous solution. May be harmful if swallowed.  
Physical hazards No physical hazards were determined from a review of available literature.  
Potential health effects summary This product does not meet EU, OSHA or WHMIS criteria for hazardous materials.  
Product hazard classifications | EU: Not available | WHMIS: Exempt | US OSHA: Not applicable

**SECTION IV - FIRST AID MEASURES**

Inhalation If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.  
Eye contact If product enters eyes, wash gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.  
Skin contact In case of skin contact, flush with copious amounts of water for at least 15 minutes. If pain or irritation occur, obtain medical attention.  
Ingestion If product is swallowed, call physician or poison center for most current information. Never induce vomiting or give liquids to someone who is unconscious or cannot swallow.

**SECTION V - FIRE FIGHTING MEASURES**

Flash point	Not applicable
Flammable limits	Not applicable
Auto ignition temp.	Not applicable
Extinguishing media	Use extinguishing media suitable for surrounding fire.
Special fire and explosion hazards	No special hazards determined.
Hazardous combustion products	Due to the composition and volume of this product, combustion products generated from it are not expected to present a significant hazard.
Protective equipment for fire-fighters	Self-contained breathing apparatus is recommended for fire-fighters.

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

Personal precautions	Use universal precautions during clean up procedures.
Spill and leak procedures	Sweep up spill and place in container suitable for disposal.
Environmental precautions	Contain spill to prevent migration.

**SECTION VII - HANDLING AND STORAGE**

Handling precautions	No special precautions during clean up procedures.
Recommended storage conditions	Keep away from incompatible material. To maintain efficacy, store according to the instructions in the product labeling.

**SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Limits**

US OSHA	Non established
ACGIH	Non established
DFG MAK	Non established
Engineering controls	Use in well ventilated area.
Respiratory protection	Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels the use of respiratory protection should be evaluated by a qualified professional.
Eye protection	Safety glasses or chemical goggles should be worn to prevent eye contact.
Skin protection	Impervious gloves, such as latex or equivalent should be worn to prevent skin contact.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Liquid
Color	Colorless
Transparency	Clear
Odor	Odorless
Odor threshold	Not applicable
pH	7,0 ± 0,3
Boiling point	Not available
Melting point	Not available
Specific gravity	Not applicable
% volatile by volume	99%
Vapor pressure	Not available
Vapor density	Not available
Evaporation rate	Not available

**Solubility**

Water	Soluble
Organic	Not available

**SECTION X - STABILITY AND REACTIVITY**

Stability	Stable under normal temperatures and pressures.
Hazardous incompatibilities	Strong oxidizers
Hazardous decomposition products	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.
Conditions to avoid	Keep away from incompatible material.

**SECTION XI - TOXICOLOGICAL INFORMATION**

Toxicity data for hazardous ingredients	Not applicable
Primary routes of exposure	Common routes of entry include inhalation, ingestion and eye/skin contact. Specific paths of concern for potentially infectious materials are skin puncture, contact with broken skin, contact with mucous membranes and inhalation of aerosolized material.
Potential effects of acute exposure	Over-exposure may lead to redness, itching, burning of eyes and skin, and tearing of eyes. Central nervous system depression that may result in coma and death.
Potential effects of chronic exposure	In addition to the acute effects, over-exposure may be habit-forming. Chronic skin exposure may lead to allergic reactions.
Symptoms of overexposure	Symptoms of overexposure may include: redness, burning and watering of the eyes; dry, red, cracked skin; coughing and difficult breathing, central nervous system depression and coma.
Carcinogenicity	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.
Other effects	Reproductive effects have been reported.
Conditions Aggravated by Exposure	Individuals with central nervous system, cardiovascular, or kidney disorders may find these conditions aggravated by exposure to this product.

**SECTION XII - ECOLOGICAL INFORMATION**

Ecotoxicity	Toxic to fish and other water organisms.
Biodegradability	No information available
Mobility	No information available

**SECTION XIII - DISPOSAL CONSIDERATIONS**

Waste disposal	Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations; if unsure of the applicable requirements, contact the authorities for information.
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**SECTION XIV - TRANSPORT INFORMATION**

Transportation of this product is not regulated under ICAO, IATA, US DOT, European ADR or Canadian TDG



**SECTION XV - REGULATORY INFORMATION****US Federal and State Regulations**

SARA 313	No ingredients listed
CERCLA RG's 40 CFR 302.4	No ingredients listed
California Proposition 65	No ingredients listed
Massachusetts MSL	No ingredients listed
New Jersey Dept. of Health RTK List	No ingredients listed
Pennsylvania RTK	No ingredients listed
Florida Substance List	No ingredients listed

**EU Labeling Classification**

Not available

**Canada**

This product is exempt from WHMIS label and MSDS requirements.

**PIN:** Not applicable

**Ingredients on ingredient disclosure list:** Not available

**Ingredients with unknown toxicological properties:** Product is exempt.

**SECTION XVI - OTHER INFORMATION**

For further information, please contact our ANALIS representative.

A. DYNEROWICZ  
Production Manager R & D Department

**DISCLAIMER**

**The information, data and recommendations contained herein are based upon information believed by ANALIS S.A. to be accurate. However, ANALIS neither warrants the accuracy of this information nor assumes any legal responsibility in connection with its dissemination.**

**All materials and mixtures may present unknown hazards and should be used with caution when necessary or appropriate independent options regarding the risks of handling or exposure should be obtained from trained professionals.**