

## SAFETY DATA SHEET (SDS)

SDS DATE : Oct , 2021

### Section 1. Product And Company Identification

1. **Product identifier**
  - 1.1. Product Name : PicoSens™ Total Nitric Oxide Assay Kit
  - 1.2. Product Code : BM-NIT-200
2. **Details of the supplier of the safety data sheet**
  - 2.1. Company: BIOMAX, Inc.,
  - 2.2. Address : Keumkang Penterium IX Tower CORE-C 7F, 46, Galmaesunhwan-ro 166beon-gil, Guri-si, Gyeonggi-do, Republic of Korea
  - 2.3. Telephone: +82-2-3296-3158
  - 2.4. Emergency Phone : +82-2-3296-3159
  - 2.5. FAX: +82-2-973-2858
3. **Product use**
  - 3.1. For research use only.

### Section 2. Hazard identification

Component	Description	Volume	Safety Information
10X Assay Buffer	Proprietary Buffer	10 mL	No hazards
Nitrite Standard (2 mM)	Solution (contains Sodium nitrite)	0.5 mL	See below
Nitrate Standard (1 mM)	Solution (contains Potassium nitrate)	0.5 mL	See below
Griess Reagent I	Solution (contains phosphoric acid)	10 mL	See below
Griess Reagent II	Solution (contains NED)	10 mL	See below
Nitrate Reductase	Lyophilized	2 vials	No hazards
10X Cofactor	Lyophilized	2 vials	No hazards
Enhancer	Proprietary Buffer	1 mL x 2 vials	No hazards

#### 1.1 Sodium nitrite:

##### Emergency Overview

**OSHA Hazards:** Oxidizer, Carcinogen, Target organ effect, Toxic by ingestion, Irritant

**Target Organs:** Blood, Cardiovascular system, Smooth muscle

**GHS Classification:** Oxidizing solids (Category 3)

Acute toxicity, Oral (Category 3)

Eye irritation (Category 2A)

Acute aquatic toxicity (Category 1)

**GHS Label elements, including precautionary statements**

**Pictogram:**



**Signal word:** Danger

**Hazard statement(s):** H272 May intensify fire; oxidizer.

H301 Toxic if swallowed.

H319 Causes serious eye irritation.

H350: May cause cancer

H400 Very toxic to aquatic life.

**Precautionary statement(s):** P220 Keep/store away from clothing/combustible materials.

P273 Avoid release to the environment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

**HMIS Classification****Health hazard:** 2**Chronic Health Hazard:** \***Flammability:** 0**Physical hazards:** 1**NFPA Rating****Health Hazard:** 2**Fire:** 0**Reactivity Hazard:** 1**Potential Health Effects****Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.**Skin:** May be harmful if absorbed through skin. Causes skin irritation.**Eyes:** Causes eye irritation.**Ingestion:** Toxic if swallowed.**1.2 Potassium nitrate:****GHS Classification:** Oxidizing solids (Category 3)

Skin corrosion/irritation (Category 2)

Serious eye damage/eye irritation (Category 2A)

Specific target organ toxicity (single exposure) (Category 3)

**GHS Label elements, including precautionary statements****Pictogram:****Signal word:** Warning**Hazard statement(s):** H272 - May intensify fire; oxidize

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

**Precautionary statement(s):** P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking.

P220 - Keep/Store away from clothing, combustible materials

P221 - Take any precaution to avoid mixing with combustibles

P261 - Avoid breathing dust.

P264 - Wash exposed skin thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear eye protection, protective clothing, protective gloves, face protection.

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

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

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

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

P362 - Take off contaminated clothing and wash before reuse.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents/container to comply with local, state and federal regulations

**HMIS Classification****Health hazard:** 1**Flammability:** 0**Physical hazards:** 1**NFPA Rating****Health Hazard:** 1**Fire:** 0**Reactivity Hazard:** 1**Potential Health Effects****Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.**Skin:** May be harmful if absorbed through skin. Causes skin burns.**Eyes:** Causes eye burns.**Ingestion:** Harmful if swallowed.**1.3 Phosphoric acid:****Emergency Overview****OSHA Hazards:** Target organ effect, Highly toxic by inhalation, Harmful by ingestion, Corrosive**Target Organs:** Liver, Blood, Bone marrow**GHS Classification:** Acute toxicity, Oral (Category 4)

Acute toxicity, Inhalation (Category 2)

Acute toxicity, Dermal (Category 5)  
Skin corrosion (Category 1B)  
Serious eye damage (Category 1)

**GHS Label elements, including precautionary statements**

**Pictogram:**



**Signal word:** Warning

**Hazard statement(s):** H302 Harmful if swallowed

H313 May be harmful in contact with skin.

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

**Precautionary statement(s):** P260 Do not breathe dust/fumes/gas/mist/vapors/spray.

P280 Wear protective gloves/eye protection/face protection.

P284 Wear respiratory protection.

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

P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.

Rinse skin with water/shower

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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 Immediately call a POISON CENTER or doctor/ physician.

**HMIS Classification**

**Health hazard:** 3

**Chronic Health Hazard:** \*

**Flammability:** 0

**Physical hazards:** 0

**NFPA Rating**

**Health Hazard:** 3

**Fire:** 0

**Reactivity Hazard:** 0

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Skin:** May be harmful if absorbed through skin. Causes skin burns.

**Eyes:** Causes eye burns.

**Ingestion:** Harmful if swallowed.

**1.4 NED:**

**Emergency Overview**

**OSHA Hazards:** Irritant

**GHS Classification:** Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity – single exposure (Category 3)

**GHS Label elements, including precautionary statements**

**Pictogram:**



**Signal word:** Warning

**Hazard statement(s):** H315 Causes skin irritation.

H319: Causes serious eye irritation

H335: May cause respiratory irritation

**Precautionary statement(s):** P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/eye protection/face protection.

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

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

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

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

**HMIS Classification**

Health hazard: 2  
Flammability: 0  
Physical hazards: 1

**NFPA Rating**

Health Hazard: 2  
Fire: 0  
Reactivity Hazard: 1

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.  
**Skin:** May be harmful if absorbed through skin. Causes skin irritation  
**Eyes:** Causes eye irritation.  
**Ingestion:** Harmful if swallowed.

**Section 3. Composition/Information on ingredients**

Component	CAS Number	EC-No.	Molecular Weight	Formula
Sodium nitrite	7632-00-0	231-555-9	69.00	NNaO <sub>2</sub>
Potassium nitrate	7757-79-1	231-818-8	101.10	KNO <sub>3</sub>
Phosphoric acid	7664-38-2	231-633-2	98.00	H <sub>3</sub> PO <sub>4</sub>
N-(1-Naphthyl)ethylenediamine dihydrochloride (NED)	1465-25-4	215-981-2	259.17	C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> 2HCl

**Section 4. First Aid Measures**

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.  
**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.  
**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**If swallowed:** DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Section 5. Fire-fighting Measures**

**Condition of flammability:** Not flammable or combustible.  
**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus for firefighting if necessary.  
**Hazardous combustion products:** Hazardous decomposition products formed under fire conditions— see section 10.  
**Further information:** Use water spray to cool unopened containers.

**Section 6. Accidental Release Measures**

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.  
**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.  
Discharge into the environment must be avoided.  
**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Section 7. Handling And Storage**

**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition (no smoking). Take measures to prevent the buildup of electrostatic charge.

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Recommended storage temperature: -20°C.

**Section 8: Exposure Controls/Personal Protection**

Components	CAS-No.	Value	Control parameters	Basis
Phosphoric acid	7664-38-2	TWA	1 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)
Remarks:	Eye, skin, & upper respiratory tract irritation			
		STEL	3ppm	USA. ACGIH Threshold Limit Values (TLV)
	Eye, skin, & upper respiratory tract irritation			
		TWA	1 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) – Table Z-1: Limits for Air Contaminants
		TWA	1 mg/m <sup>3</sup>	USA. OSHA – – Table Z-1: Limits for Air Contaminants – 1910.1000
		STEL	3 mg/m <sup>3</sup>	USA. OSHA – – Table Z-1: Limits for Air Contaminants – 1910.1000
		TWA	1 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits

		ST	3 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
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#### Potassium nitrate & Sodium nitrite & NED:

Contains no substances with occupational exposure limit values.

#### **Personal protective equipment**

##### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### **Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### **Eye protection**

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### **Skin and body protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### **Section 9: Physical And Chemical Properties**

Property	Sodium nitrite	Potassium nitrate	Phosphoric acid	NED
<b>Appearance:</b>	Solid	Crystalline solid	White crystalline	Solid
<b>pH:</b>	9	6-8	No data available	13-14
<b>Water Solubility:</b>	820 g/l at 20 °C (68 °F)	No data available	No data available	No data available
<b>Other Solubility:</b>	No data available	No data available	No data available	No data available
<b>Boiling Point (°C):</b>	320 °C (608 °F)	400 °C (752 °F)	158 °C (316 °F)	No data available
<b>Melting Point (°C):</b>	271 °C (520 °F)	334 °C (633 °F)	41-44 °C (106-111 °F)	194-198 °C (381-388 °F)
<b>Flash Point (°C):</b>	No data available	No data available	No data available	No data available
<b>Ignition Temperature (°C):</b>	No data available	No data available	No data available	No data available
<b>Density:</b>	2.168 g/cm <sup>3</sup>	No data available	1.685 g/ml	No data available

#### **Section 10: Stability And Reactivity**

Property	Sodium nitrite	Potassium nitrate	Phosphoric acid	NED
<b>Chemical Stability:</b>	Stable under recommended storage conditions			
<b>Conditions to Avoid:</b>	Exposure to moisture	Incompatible product, excess heat, combustible material and dust formation.	No data available	Exposure to moisture
<b>Materials to Avoid:</b>	Acids, powdered metals, ammonia, cyanides, amines, activated carbon	Strong reducing agents, Strong acids, strong bases	Strong bases, powdered metals	Acids, acid chlorides, acid anhydrides, oxidizing agents
<b>Hazardous decomposition products:</b>	Nitrogen oxides, sodium oxides	Carbon oxides, oxides of potassium	Oxides of phosphorus	Carbon oxides, nitrogen oxides, hydrogen chloride gas

#### **Section 11: Toxicological Information**

##### **Sodium nitrite:**

**Acute toxicity:** LD50 Oral - rat - 157.9 mg/kg

LD50 Oral – mouse – 175 mg/kg → Remarks: Vascular: BP lowering not characterized in autonomic section. Vascular: Regional or general arteriolar or venous dilation.

**Skin corrosion/irritation:** Skin – rabbit – no skin irritation – 48 h – OECD Test Guideline 404

**Serious eye damage/eye irritation:** Eyes – rabbit – moderate eye irritation – 24 h – OECD Test Guideline 405

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

**Carcinogenicity:** Limited evidence of carcinogenicity in animal studies

IARC: 2A – Group 2A: Probably carcinogenic to humans (Sodium nitrite).

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure (GHS):** no data available

**Specific target organ toxicity - repeated exposure (GHS):** no data available

**Aspiration hazard:** no data available

**Potential health effects**

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes:** Causes eye irritation.

**Ingestion:** Toxic if swallowed.

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Additional information:** RTECS: RA1225000

**Potassium nitrate :**

**Acute toxicity :** Not classified

LD50 oral rat : > 2000 mg/kg body weight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, Male / female, Read-across, Oral, 14 day(s))

LD50 dermal rat : > 5000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Skin, 14 day(s))

LC50 inhalation rat (mg/l) : > 0.527 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, (maximum achievable concentration), Inhalation (dust), 14 day(s))

**Skin corrosion/irritation:** Causes skin irritation

**Serious eye damage/irritation :** Causes serious eye irritation

**Respiratory or skin sensitization :** Not classified

**Germ cell mutagenicity :** Not classified

**Carcinogenicity :** Not classified

**Reproductive toxicity :** Not classified

**Potential Adverse human health effects and symptoms :** Obstructs oxygen absorption. Practically non-toxic if swallowed (LD50 oral 2000/5000 mg/kg).

Non-toxic in contact with skin (LD50 skin > 5000 mg/kg). Not irritant to skin. Slightly harmful by inhalation. Not irritant to eyes.

**Inhalation:** AFTER INHALATION OF DUST: Dry/sore throat. Coughing.

**Skin:** No effects known

**Eyes:** No effects known.

**Ingestion:** Gastrointestinal complaints. Vomiting. Nausea. Diarrhoea. AFTER ABSORPTION OF LARGE QUANTITIES: Blood in stool.

**Phosphoric acid:**

**Acute toxicity:** LD50 Dermal – rabbit – 2,740 mg/kg → Remarks: Behavioral: Somnolence (general depressed activity). Behavioral: Excitement.

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** no data available

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

**Carcinogenicity:**

IARC: 2A – Group 2A: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure (GHS):** Inhalation – May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure (GHS):** no data available

**Aspiration hazard:** no data available

**Potential health effects**

**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Skin:** May be harmful if absorbed through skin. Causes skin burns.

**Eyes:** Causes eye burns.

**Ingestion:** Harmful if swallowed.

**Signs and Symptoms of Exposure:** Exposure may cause a burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, and/or cyanosis.

**Additional information:** RTECS: TB6300000

**NED:**

**Acute toxicity:** no data available

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** no data available

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

**Carcinogenicity:**

IARC: 2A – Group 2A: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure (GHS):** Inhalation – May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure (GHS):** no data available

**Aspiration hazard:** no data available

**Potential health effects**

**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Skin:** May be harmful if absorbed through skin. Causes skin burns.

**Eyes:** Causes eye burns.

**Ingestion:** Harmful if swallowed.

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Additional information:** RTECS: KV5330000

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## Section 12: Ecological Information

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### Sodium nitrite:

**Persistence and degradability:** no data available

**Toxicity:** Toxicity to fish: flow-through test LC50 – Oncorhynchus mykiss (rainbow trout) – 0.94-1.92 mg/l – 96.0 h

Mortality NOEC – Oncorhynchus mykiss (rainbow trout) – 0.54 mg/l – 96.0 h

Toxicity to daphnia and other aquatic invertebrates: EC50 – Daphnia magna (Water flea) – 12.5 mg/l – 48 h

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

### Potassium nitrate :

**Persistence and degradability :** no data available

**Toxicity:** Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

### Phosphoric acid:

**Persistence and degradability:** no data available

**Toxicity:** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** May be harmful to aquatic organisms due to the shift of the pH.

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## Section 13: Disposal Considerations

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**Product:** Observe all federal, state, and local environmental regulations.

**Contaminated packaging:** Dispose of as unused product.

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## Section 14: Transport Information

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### Sodium nitrite:

**DOT (US):** UN-number: 1500, Class: 5.1(6.1), Packing group: III; Proper shipping name: Sodium nitrite; Reportable Quantity (RQ): 100 lbs.;

Marine pollutant: No; Poison Inhalation Hazard: No

**IMDG:** UN-number: 1500, Class: 5.1(6.1), Packing group: III; EMS-No: F-A, S-Q; Proper shipping name: SODIUM NITRITE; Marine pollutant: No

**IATA:** UN-number: 1500, Class: 5.1(6.1), Packing group: III; Proper shipping name: Sodium nitrite

### Potassium nitrate :

**DOT (US):** UN-number: 1486, Class : 5.1, Packing group :III Proper shipping name: Potassium nitrate

**IMDG:** UN-number: 1486, Class : 5.1, Packing group :III Proper shipping name: Potassium nitrate

**IATA:** UN-number: 1486, Class : 5.1, Packing group :III Proper shipping name: Potassium nitrate

### Phosphoric acid:

**DOT (US):** UN-number: 1805, Class: 8, Packing group: III; Proper shipping name: Phosphoric acid solution; Marine pollutant: No; Poison Inhalation Hazard: No

**IMDG:** UN-number: 1805, Class: 8, Packing group: III; EMS-No: F-A, S-B; Proper shipping name: Phosphoric acid solution; Marine pollutant: No

**IATA:** UN-number: 1805, Class: 8, Packing group: III; Proper shipping name: Phosphoric acid solution

### NED:

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods.

**IATA:** Not dangerous goods

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## Section 15: Regulatory Information

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1. **Regulation under the Occupational Safety and Health Act**
  - 1.1 Harmful Substances Required Permission for Manufacture - Not relevant
  - 1.2 Harmful Substances Prohibited from Manufacturing - Not relevant
  - 1.3 Carcinogenic Substances - Not relevant
  - 1.4 Controlled Substances Subject to Environment Monitoring - Not relevant
  - 1.5 Controlled Substances Subject to Health Examination - Not relevant
  - 1.6 Hazardous substances requiring management - Not relevant
2. **Act on the Registration and Evaluation, etc. of Chemical Substances, Chemicals Control Act**
  - 2.1 Toxic Chemicals - Not relevant
  - 2.2 Observational chemicals - Not relevant
  - 2.3 Restricted Chemicals - Not relevant
  - 2.4 Prohibited Chemicals - Not relevant
  - 2.5 Accident Precaution Chemicals - Not relevant
3. **Dangerous Substances Safety Management Act**
  - 3.1 Not relevant
4. **Wastes Control Act**
  - 4.1 Follow article 13 of the act to dispose the product waste
5. **Other regulations**

KECI Number

Not in compliance with the inventory

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**Section 16: Other information**

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**OTHER INFORMATION:****PREPARATION INFORMATION:****DISCLAIMER:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions.

It does not represent any guarantee of the properties of the product. BIOMAX, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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