

APG**Analytical Products Group, Inc.**2730 Washington Blvd., Belpre, OH 45714
740-423-4200 800-272-4442 Fax 740-423-5588**Material Safety Data Sheet**

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Section I: Product Identification

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| CATALOG NUMBER: 4630, 4632, 224630, 4780, 4782, 224780, 6240, 6242 | PRODUCT NAME: Nitrite as NO ₂ , Nitrite as N |
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Section II - Hazardous Ingredients/Identity Information

| Chemical Name | CAS Reg. No. | OSHA PEL (TWA) | % Composition* |
|----------------|--------------|----------------|----------------|
| Sodium Nitrite | 7632-00-0 | NA | <1 |

Non-Hazardous Ingredients/Identity Information

| Chemical Name | CAS Reg. No. | OSHA PEL (TWA) | % Composition* |
|---------------|--------------|----------------|----------------|
| Water | 7732-18-5 | NE | >99 |

* components are calculated on a weight/weight basis.

Section III - Physical/Chemical Characteristics of Hazardous Ingredients**Sodium Nitrite**

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| BOILING POINT: decomposes @ 320°C | SPECIFIC GRAVITY: 2.168 | | |
| VAPOR PRESSURE: Not Available | SOLUBILITY IN WATER: 82% @ 15°C | APPEARANCE/ODOR: white or slightly yellow hygroscopic granules, rods, or powder. | |

Section IV - Fire and Explosion Hazard Data

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| FLASH POINT (Method used): NA | AUTO IGNITION TEMPERATURE: NA | FLAMMABLE LIMITS | LEL NA | UEL NA |
| EXTINGUISHING MEDIA: Non-flammable, use extinguisher media appropriate for the surrounding fire. | | | | |
| SPECIAL FIRE FIGHTING PROCEDURES: NA | | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: May emit fumes of nitrogen oxides and sodium monoxide. | | | | |

Section V - Reactivity Data

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| STABILITY: | Unstable <input type="checkbox"/> | Stable <input checked="" type="checkbox"/> | Conditions to Avoid: Incompatible materials. |
| INCOMPATIBILITY (Materials to avoid): | | | |
| Aminoguanidine | Ammonia salts | Ammonium | |
| 1,3-Butadiene | Cellulose | Chlorates | |
| Cyanide | Lithium | Phenol | |
| Phthalic Acid | Phthalic anhydride | Potassium | |
| Reducing agents | Sodium disulfite | Sodium Thiocyanate | |
| Sodium Thiosulfate | Urea | | |
| HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides and sodium monoxide | | | |
| HAZARDOUS POLYMERIZATION: | May Occur <input type="checkbox"/> | Will Not Occur <input checked="" type="checkbox"/> | Conditions to Avoid: None Known |

Section VI - Health Hazard Data

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| ROUTES OF ENTRY | Inhalation? Yes | Skin? Yes | Ingestion? Yes |
| HEALTH HAZARDS (Acute and Chronic): Acute: may cause irritation if inhaled, ingested or in contact with skin or eyes. Chronic: Dermatitis, conjunctivitis, toxic by ingestion, inhalation. | | | |
| COMPONENTS LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS: Sodium Nitrite | | | |
| SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of eyes, nose and throat, redness of skin. Nausea if ingested. | | | |
| MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known | | | |
| EMERGENCY AND FIRST AID PROCEDURES: EYE CONTACT: Flush with water SKIN CONTACT: Wash with soap and water. INHALATION: Mover to fresh | | | |

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| air. INGESTION: Drink excess water to dilute. |
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Section VII - Precautions for Safe Handling and Use

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| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb and dispose of material, may be flushed to sewer. |
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| WASTE DISPOSAL METHOD: Dispose as non-hazardous waste, maybe flushed to sewer. |
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| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Treat as non-hazardous sample |
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| OTHER PRECAUTIONS* Analytical standard should never be heated or evaporated to dryness. |
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Section VIII - Control Measures

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| RESPIRATORY PROTECTION (Please specify): None required |
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| VENTILATION: None required |
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| PROTECTIVE GLOVES: chemical resistant gloves |
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| EYE PROTECTION: safety glasses or goggles |
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| OTHER PROTECTIVE EQUIPMENT: Impervious Clothing |
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| EMERGENCY WASH FACILITIES: Maintain eye wash and quick drench showers in work area. |
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The information stated in this Material Safety Data Sheet (MSDS) is believed to be correct on the date of publication and must not be considered all conclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. Persons not specifically and properly trained should not handle this chemical or its container. This MSDS is provided without any warranty expressed or implied, including merchantability or fitness for any particular purpose.

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