



## Sodium Nitrite, Free-Flowing Technical Grade PRODUCT DATA SHEET

### CHARACTERISTICS

Sodium Nitrite, Free-Flowing Technical Grade is a pale straw-colored dry granular product.

### TYPICAL PROPERTIES

|          |  |             |
|----------|--|-------------|
| Formula: | Sodium Nitrite   |             |
| C.A.S.   | 7632-00-0 (Sodium nitrite)                             |             |
|          | Bulk Density, lbs./cu. ft.                             | 76.9 - 80.5 |
|          | Granulation: Through 40 mesh screen, %                 | 75          |
|          | Through 50 mesh screen, %                              | 34          |
|          | Through 70 mesh screen, %                              | 15          |
|          | Through 100 mesh screen, %                             | 5.5         |
|          | Assay as NaNO <sub>2</sub> , %                         | 99 (min)    |
|          | Loss on Drying, %                                      | 0.3 (max)   |
|          | Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> ), % | 0.2 (max)   |
|          | Anti-Caking Agent, %                                   | 0.03 - 0.20 |

### PRODUCT USES

Chemical and dye source of nitrous acid. Corrosion inhibitor in antifreeze, paints, oil tanks and pipelines. Oxidizing agent and depolarizer in detinning. Phosphate coatings. Gold plating baths. Heat transfer salt. Polymer inhibitor for synthetic rubber. Nitrous acid source for accelerators, retarders and antioxidants / antiozonants. Foam rubber blowing agent. Wastewater treatment odor control and bacteria activity inhibitor.

### SHIPPING CONTAINER

|   |                    |
|---|--------------------|
| 2000 lb. Super Sack mini-bulk bag           | 400 lb. fiber drum |
| 100 lb. 4-ply polyethylene coated fiber bag | 50 lb. poly bag    |

### SHIPPING REGULATIONS

DOT Classification: Sodium Nitrite  
Hazard Class: 5.1                      DOT ID Number: UN 1500                      Packing Group: III

### PRODUCT SAFETY INFORMATION

Sodium Nitrite, Free-Flowing Technical Grade may cause irritation to the skin, eyes and respiratory tract. Avoid contact with skin, eyes and clothing. Anyone procuring, using or disposing of these products or their containers must be familiar with the appropriate safety and handling precautions. Such information may be found in the **Material Safety Data Sheets (MSDS)** for these products or you may contact General Chemical Technical Service. In the event of an emergency with these products, call the 24 hour **Emergency Number: USA (CHEMTREC) 800-424-9300** or **Canada (CANUTEC) 613-996-6666**. For additional information contact:

Syracuse Technical Center  
(315) 478-2323  
(800) 255-7589 Outside NY

Water Chemicals Group  
(973) 515-0900  
(800) 631-8050 Customer Service

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