



Sodium Nitrite, Pure Liquor (40%)

PRODUCT DATA SHEET

CHARACTERISTICS

Sodium Nitrite, Pure Liquor is an odorless, clear, pale yellow colored liquid.

TYPICAL PROPERTIES

Formula:	Aqueous solution of sodium nitrite		
C.A.S.	7632-00-0 (Sodium nitrite)		
	pH (1% solution)		9.5 (approx.)
	Specific Gravity @ 60°F (15.6°C)		1.306
	Boiling Point		248°F (120°C)
	Freezing Point (approx.)		19°F (-7°C)
	Density, lbs/gal., U.S.		10.90
	Sodium Nitrite (NaNO ₂), %		40 (min)
	Sodium Nitrate (NaNO ₃), %		2 (max)
	Total Sodium Nitrite and Sodium Nitrate, %		47 (max)

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 CONTAINERS

Bulk transport

Bulk car

SHIPPING REGULATIONS

DOT Classification: Environmentally Hazardous Substances, Liquid, N.O.S. (Contains Sodium Nitrite)
Hazard Class: 9 DOT ID Number: UN 3082 Packing Group: III
RQ = 100 Lbs. (CASRN formula basis)

PRODUCT SAFETY INFORMATION

Sodium Nitrite, Pure Liquor 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