



CHEMTRADE

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Sodium Nitrite Solution 40%

PRODUCT DATA SHEET

CHARACTERISTICS

Sodium Nitrite Solution 40% 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 @ 15.6°C (60°F)		1.306
	Boiling Point		120°C (248°F)
	Freezing Point (approx.)		-7°C (19°F)
	Density, lbs./gal., US		10.90
	Sodium Nitrite (NaNO ₂), %		40 (min)
	Sodium Nitrate (NaNO ₃), %		4 (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 275 and 330 US gal. one way container

SHIPPING REGULATIONS (US DOT / TDG)

Classification: Toxic Liquid, Inorganic, N.O.S. (Contains Sodium Nitrite, Sodium Nitrate)

Hazard Class: 6.1 ID Number: UN3287 Packing Group: III

The EPA reportable quantity (RQ) for sodium nitrite is 100 lbs.

PRODUCT SAFETY INFORMATION

Toxic if swallowed. Causes serious eye irritation. Wash hands, forearms, and exposed areas thoroughly after handling. Wear eye protection, protective clothing, and protective gloves. 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 **Safety Data Sheets (SDS)** for these products or you may contact Chemtrade at 416-496-5856. 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 or 800-255-7589

Select Specialties – Sales
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