

MATERIAL SAFETY DATA SHEET

CHEMICAL NAME & SYNONYMS SODIUM NITRITE		FLINN CATALOG NUMBER S0092, S0093, S0220
FORMULA <p style="text-align: center;">NaNO₂</p>	FORMULA OR ATOMIC WEIGHT <p style="text-align: center;">69.00</p>	CAS NUMBER 7632-00-0
PHYSICAL DATA (DENSITY, SOLUBILITY, ETC.) Specific Gravity: 2.157 Melting Point: 271 C Explodes at 537 C (1000 F). Soluble in water; slightly in alcohol.		
APPEARANCE AND ODOR White or very slightly yellowish crystals or powder. Odorless.		
COMPATIBLE CHEMICAL FAMILY Inorganic #3 See Flinn Chemical Catalog/Reference Manual	DOT CLASS <p style="text-align: center;">Oxidizer</p>	REACTIVITY <p style="text-align: center;">Stable</p>
CONDITIONS TO AVOID (IF ANY): Avoid heating; avoid contact with reducing agents, ammonium salts, and combustible materials.		
HEALTH HAZARDS (IF ANY): Sodium nitrite is a suspected animal carcinogen. Toxic. Not all health aspects of this substance have been fully investigated.		THRESHOLD LIMIT VALUE (TLV) IF ESTABLISHED 100 ppm in food.
FIRE HAZARDS (IF ANY): Use a triclass, dry chemical fire extinguisher. Dangerous fire and explosion risk when heated or in contact with reducing agents.		
SPILLS AND LEAKS: Gather up material in a pile (do not sweep). Place in a suitable container. Use the disposal method listed on the right.		DISPOSAL METHOD <p style="text-align: center;">12b</p> See Flinn Chemical Catalog Reference Manual
SPECIAL PRECAUTIONS (IF ANY): Wear chemical gloves and goggles. Use and dispense in a hood. Do not heat in confined area.		
FIRST AID (IF SUBSTANCE DANGEROUS): External: Wash affected parts with copious quantities of water. Internal: Wash mouth; see a physician. Eyes: Wash continuously for 15 minutes. See a physician.		
Consult your copy of the Flinn Chemical Catalog/Reference Manual for even more information about laboratory chemicals		

FLINN SCIENTIFIC, INC. • P.O. BOX 219 • BATAVIA, ILLINOIS 60510 • (708)879-6900