



MATERIAL SAFETY DATA SHEET

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CHEMTREC 24 HOUR EMERGENCY NUMBER: 1-800-424-9300

Product.....> **CS-210**

Section 1: Material Identification

Chemical Family..... NA (Aqueous solution)
DOT Ship Name..... Nitrites, inorganic, aqueous solution,
n.o.s., 5.1, UN3219, PG II
Date Revised..... August 15, 2005

Section 2: Ingredient and Hazards

<u>Ingredients</u>	<u>Percent</u>	<u>Limits (TLV)</u>
sodium nitrite (CAS 7632-00-0)*	20.0	2 mg/m ³

* Ingredient is subject to reporting requirements of SARA Title III Section 313 and 40 CFR 372.

Section 3: Physical Data

Boiling Point..... >215°F
Specific Gravity..... 1.2468
Vapor Pressure..... <15 mm Hg 68°F
Evaporation Rate..... 1.0 (Water=1)
Vapor Density..... 1.0 (AIR=1)
Measured pH (neat).... 11.0
Appearance..... pale straw liquid
Odor..... odorless

Abbreviation: n/a = not applicable

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Section 4: Fire and Explosion Data

Flash Point, F, COC.....	not combustible
Flammable Limits.....	LEL: n/a UEL: n/a
Auto Ignition Temp....	n/a
Extinguishing Media...	water, carbon dioxide, dry or foam
Special Procedures....	use SCBA with full face shield
Unusual Fire Hazards..	none

Section 5: Health Hazard Data

* EFFECTS OF EXPOSURE * Primary Route of Exposure: DERMAL

Eye Contact.....	May cause mild to severe irritation. Promptly flush to avert damage.
Skin Contact.....	May cause irritation or chemical burns upon prolonged contact.
Inhalation.....	Heavy mists may irritate respiratory tract. Large amounts may cause systemic effects due to nitrite absorption by lungs.
Oral.....	May irritate mouth, esophagus, stomach. Large amounts can result in toxic effects, nausea, drop in blood pressure, coma or death. Sodium nitrite LD ₅₀ 85 mg/kg (rats).

* EMERGENCY FIRST AID *

Eyes.....	Flush with water 15 minutes, seek medical attention.
Skin.....	Flush with water 15 minutes, remove clothing.
Inhalation.....	Move to fresh air
Ingestion.....	Induce vomiting, if conscious. Rinse mouth with water. Seek immediate medical attention or transport to nearest hospital.

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Section 6: Reactivity Data

Stability..... stable
Incompatibility..... Acids, ammonia salts, cyanides, reducing agents, bisulfites.
Conditions to avoid..... Do not allow material to evaporate to dryness. Dry nitrites are oxidizers.
Decomposition Products.. Thermal oxides of carbon, nitrogen.
Hazardous Polymerization will not occur

Section 7: Environmental Protection Procedures

Spill..... Absorb spills onto sand or other absorbent material. Shovel into closable containers. Do not allow contact with natural waterways.
Waste Disposal..... Dispose to an approved waste treatment facility following proper federal, state or local regulations where applicable.
Reportable Quantities... Sodium Nitrite RQ=100 lbs; Notify EPA of product spills equal to or exceeding 45 gallons.

Section 8: Control Measures/Special Protection

Respiratory Protection.. Use with adequate ventilation.
Ventilation Recommended. Provide local exhaust.
Protective Gloves..... Chemical or solvent resistant material.
Eye Protection..... Chemical goggles or face shield.
Other Equipment..... Safety/eye wash nearby.
Work/Hygienic Practices: Wash thoroughly with soap after handling.

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Section 9: ADDITIONAL INFORMATION

<u>HMIS Rating Code: HMIS</u>	0 = minimal
	1 = slight
Health..... 2	2 = moderate
Flammability..... 0	3 = serious
Reactivity..... 0	4 = severe
Personal Protection... C	C = safety glasses, rubber gloves & apron.

The information provided relates to the specific material designated and may not be valid for such material used in combination with other materials outside the scope of intended usage. No representation, warranty or guarantee is made and it remains the user's responsibility to confirm by other investigation as to safe material application. We do not accept liability for loss or damage that may occur from the use of this information.