

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Sodium Nitrite

SO700-00

SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION

MANUFACTURER: Same as above
PREPARED BY: Production Department
VERSION DATE: 02-Jan-17
TELEPHONE NO.: (519) 686-6882
EMERGENCY PHONE NO.: (800) 996-6666
CHEMICAL FAMILY: Not Available **CHEMICAL FORMULA:** Not Applicable
MOLECULAR WEIGHT: Not Applicable **MATERIAL USE:** Please Refer to technical literature
SYNONYMS:

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Conc. Approx. %	C.A.S. #	LD/50 (RTE/SPEC)	LC/50 (RTE/SPEC)	TLV
Sodium Nitrite	60-100	7632-00-0	5.5mg/L 4h	N.Av.	N.Av.

SECTION 03: HAZARD IDENTIFICATION

ROUTE OF ENTRY

Eyes: May irritate eyes.

Skin: Concentrated aqueous solutions or prolonged contact with dust may cause local irritation.

Inhalation: Causes irritation of the lungs and respiratory tract. Large amounts may cause systemic effects as nitrites are readily absorbed by lung tissue.

Ingestion: Irritation of the mouth, throat, and stomach. Ingestion of larger amounts can result in acute toxic effects with nausea, conversion of haemoglobin to methemoglobin, marked reduction in blood pressure, unconsciousness, coma and possible death.

SECTION 04: FIRSTAID

Skin Contact: Remove contaminated clothing and laundry before reuse. Flush with large amounts of soap and water. Get medical attention if irritation persists.

Eye Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Inhalation, Acute: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If conscious, wash out mouth with water. Do not give anything by mouth to an unconscious person. Do not induce vomiting. Seek immediate medical attention.

Notes to physician: Treat symptomatically.

SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES

FLAMMABLE?	No
IF YES, UNDER WHICH CONDITIONS?	
FLASH POINT (TCC) (C):	NONE
FLAMMABLE LIMITS:	LEL(% BY VOL.): Not Available UEL(% BY VOL.): Not Available
AUTO IGNITION TEMPERATURE (C):	Not Available
EXTINGUISHING MEDIA:	Does not burn. Use extinguishing media appropriate for surrounding fire.
SPECIAL PROCEDURES:	May explode on severe impact or temperatures above 537 deg C. Use fine water spray or fog to control fire spread and cool adjacent structures or containers. Product may melt. Water stream directed at material may scatter it, increasing the flammability of any combustible material it contacts. Supports combustion. May detonate with impact or on heating. May explode and throw fragments 1 mile or more in fire. Evacuate all persons, including emergency responders.
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of nitrogen.
UNUSUAL FIRE AND EXPLOSION HAZARDS	Not Available
SENSITIVITY TO STATIC DISCHARGE:	Not Available
SENSITIVITY TO MECHANICAL IMPACT:	Not Available

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Personal Precautionary Measures: Wear appropriate protective equipment.

Environmental Precautionary Measures: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Consult local authorities.

Procedure for Clean Up: Remove ignition sources and work with non-sparking tools. Scoop up or vacuum up and place in an appropriate closed container. Flush area with water to remove trace residue.

SECTION 07: HANDLING AND STORAGE

Handling Procedures and Storage Requirements

Handling: Avoid dust generation and provide for room ventilation during handling. Avoid contact with eyes, skin and clothing. Empty containers may contain hazardous product residues.

Storage: Store in a cool, dry, well ventilated area. Keep containers tightly closed. Avoid storage with incompatible materials. Avoid wooden floors.

SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS

GLOVES/TYPE:	Impervious gloves.
RESPIRATOR/TYPE:	For dusty or misty conditions, wear NIOSH-approved dust or mist respirator. NIOSH approved supplied air respirator when airborne concentrations exceed exposure limits.
EYE/TYPE:	Safety glasses with side shields or chemical goggles.
OTHER/TYPE:	Ensure that eyewash stations and safety showers are proximal to the work-station location.
ENGINEERING CONTROL	In confined areas, local and general ventilation should be provided to maintain airborne concentrations below permissible exposure limits.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE/APPEARANCE:	Solid Crystals	ODOUR THRESHOLD:	N. Av.
ODOUR:	Odourless	VAPOUR DENSITY (Air=1):	N. Av.
VAPOUR PRESSURE (mm Hg @ 20C):	N. Av.	SPECIFIC GRAVITY:	2.17
EVAPORATION RATE (Ether = 1):	N. Av.	FREEZING POINT (C):	271°C
BOILING POINT (C):	>320°C	% VOLATILE (WT):	N. Av.
Ph (% SOLUTION):	9		
SOLUBILITY IN WATER (% W/W)	46% at 20°C		

SECTION 10: STABILITY AND REACTIVITY

CHEMICALLY STABLE? Stable

IF NO, UNDER WHICH CONDITIONS?:

INCOMPATIBILITY WITH OTHER SUBSTANCES

IF YES, WITH WHICH ONES:

SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS

HAZARDOUS DECOMPOSITION PRODUCTS:

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL

LC 50 OF MATERIAL, SPECIES AND ROUTE

LD 50 OF MATERIAL, SPECIES AND ROUTE

CARCINOGENICITY OF MATERIAL

REPRODUCTIVE EFFECTS:

IRRITANCY OF MATERIAL

SENSITIZING CAPABILITY OF MATERIAL

SYNERGISTIC MATERIALS

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

TDG CLASSIFICATION Class 5.1, Sodium Nitrite

UN NUMBER: 1500

PACKING GROUP: III

Special Provisions for Transport

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION

C OXIDIZING MATERIALS

D1B TOXIC MATERIALS

D2B TOXIC MATERIALS

SECTION 16: OTHER INFORMATION

ABBREVIATIONS USED: N.Av. = Not Available
N.App. / N.Ap. = Not Applicable

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SOURCES: Supplier MSDS

For updated copies of an MSDS, please contact Anchem Sales at the address/phone number on Page 1 or fax the MSDS Co-ordinator at (519) 451-4593.

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