

WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

STINNES OIL AND CHEMICAL CO. INC.

P. O. BOX 47101
4532 SINGLETON BLVD.
DALLAS, TEXAS 75247

MATERIAL SAFETY DATA SHEET

SECTION I	
MANUFACTURER'S NAME Allied Chemical Corp., Industrial Chemicals Div	EMERGENCY TELEPHONE NO. 201-455-2000
ADDRESS (Number, Street, City, State, and ZIP Code) P.O. BOX 1139R, Morristown, N.J. 07960	
CHEMICAL NAME AND SYNONYMS Sodium Nitrite	TRADE NAME AND SYNONYMS Sodium Nitrite
CHEMICAL FAMILY Inorganic salt	FORMULA NaNO ₂

SECTION II HAZARDOUS INGREDIENTS				
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%
PIGMENTS			BASE METAL	
CATALYST			ALLOYS	
VEHICLE			METALLIC COATINGS	
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX	
ADDITIVES			OTHERS	
OTHERS				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%
Not applicable - not a mixture				

SECTION III PHYSICAL DATA			
BOILING POINT (°F.)	n.a.	SPECIFIC GRAVITY (H ₂ O=1) Density	2.17
VAPOR PRESSURE (mm Hg.)	n.a.	PERCENT VOLATILE BY VOLUME (%)	n.a.
VAPOR DENSITY (AIR=1)	n.a.	EVAPORATION RATE (H ₂ O=1)	n.a.
SOLUBILITY IN WATER	appreciable		
APPEARANCE AND ODOR	yellow-white crystalline solid. No appreciable odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	n.a.	FLAMMABLE LIMITS	Let Uel
EXTINGUISHING MEDIA	Use carbon dioxide where sodium nitrite is involved in fire		
SPECIAL FIRE FIGHTING PROCEDURES	n.a.		
UNUSUAL FIRE AND EXPLOSION HAZARDS	Oxidizing agent. Will stimulate the combustion of organic matter. At high temperatures 600°-750° or above, will give off toxic oxides of nitrogen fumes.		

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PRIORITY ONE

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE No data located

EFFECTS OF OVEREXPOSURE

Flushed face, uneven heart action, tremors, dizziness, and nausea if

ingested. Contact can irritate skin and temporarily yellow skin in

EMERGENCY AND FIRST AID PROCEDURES

Flush skin or eyes with plenty of water,

lengthy exposure.

For eyes get medical attention. For dust inhalation or ingestion

get prompt medical attention.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID High temperatures and open flames. Avoid storage with combustibles and reducing agents.
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Acidic and reducing materials (e.g. cyanides, thio-cyanates, thiosulfates, etc.) ammonium salts and combustible organics			
HAZARDOUS DECOMPOSITION PRODUCTS Oxides of nitrogen fumes			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Sweep up spills cleanly. Very small residues may be flushed away with

large volumes of water. Avoid contaminating sewers, streams, ponds, etc.

Avoid contact with acid or other incompatible materials. Paper, wood or other combustibles contaminated with sodium nitrite can become a serious fire hazard.

WASTE DISPOSAL METHOD

Reuse if possible. Removal by disposal contractor may be

necessary. Disposal must be in accordance with applicable disposal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Respirator as recommended for sodium nitrite dust (or oxides of nitrogen) by NIOSH.

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	
PROTECTIVE GLOVES	Rubber gloves	EYE PROTECTION
		Chemical safety goggles. Face shield as necessary.
OTHER PROTECTIVE EQUIPMENT		
Rubber shoes, rubber apron and other protective clothing as necessary to prevent skin contact.		

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in cool dry place away from acids combustibles and reducing

agents. Preferably in isolated non-combustible building.

OTHER PRECAUTIONS

Mixtures with incompatible materials may react violently or explode.

Sodium nitrite should not be mixed in quantity with other chemicals except when the behavior of the mixture is known in advance.

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