

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			TLV (Units)
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.		

All statements, information, and data given herein are believed to be accurate and for the user's information only. No warranty, or responsibility of any kind, express or implied, is made by the manufacturer for the use of the product in any manner not recommended by the manufacturer. The user should not assume that all safety measures are indicated or that other measures may not be required.

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
lengthy exposure.

EMERGENCY AND FIRST AID PROCEDURES
Flush skin or eyes with plenty of water.

For eyes get medical attention. For dust inhalation or ingestion
get prompt medical attention.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	High temperatures and open flames. Avoid storage with combustibles and reducing agents.

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)	OTHER

PROTECTIVE GLOVES Rubber gloves EYE PROTECTION Chemical safety goggles. Face shield

OTHER PROTECTIVE EQUIPMENT Rubber shoes, rubber apron and other protective clothing as necessary to prevent skin contact as necessary.

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.

All statements, information, and data given herein are believed to be accurate and reliable but are presented without guaranty, warranty, or responsibility of any kind, express or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement, and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required.

2/9/76