

# Safety Data Sheet



**IMMUNOL 1228-2**

Effective Date: 12/21/2017  
Revision Level: 6  
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## 1) PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** IMMUNOL 1228-2  
**Chemical Description:** Synthetic nonionic and inorganic salt mixture

**IDENTIFICATION OF SUPPLIER/MANUFACTURER:** Harry Miller Corp  
**ADDRESS:** 4309 North Lawrence St  
Philadelphia PA, 19140  
**CONTACT PHONE:** 215-324-4000  
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**EMAIL:** [hamico@harrymillercorp.com](mailto:hamico@harrymillercorp.com)

**24 HOUR EMERGENCY:** 1-800-255-3924 (ChemTel, Inc.) – North America  
+1-813-248-0585 (ChemTel, Inc.) – International

## 2) HAZARDS IDENTIFICATION

CLASSIFICATION (EC 1272/2008)  
Physical and Chemical Hazards: Not classified.  
Human health: Acute Tox. 4 – H303;  
Environment: Aquatic Acute 2- H401

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



**SIGNAL WORD** WARNING

**CONTAINS** Sodium Nitrite

**HAZARD STATEMENTS**  
H303 May be harmful if swallowed.  
H401 Toxic to aquatic life

**PRECAUTIONARY STATEMENTS**  
P270 Do not eat, drink or smoke when using this product  
P273 Avoid release to the environment  
P280 Wear protective gloves/eye protection  
P301+330+312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.  
P353 Rinse skin with water  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**HUMAN HEALTH**  
May be harmful if swallowed

HMIS-Ratings (scale 0-4): Health = 1, Fire = 0, Physical Hazard = 0  
NFPA-Ratings (scale 0-4): Health = 1, Fire = 0, Reactivity = 0

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### 3) COMPOSITION/INFORMATION ON INGREDIENTS

Sodium Nitrite	2-8%
CAS-No.: 7632-00-0	EC No.: 231-555-9
Classification (EC 1272/2008)	Acute Tox 3 - H301; Ox. Sol 3- H272; Aquatic Acute 1- H400
Pyridine-2-thiol-1-oxide, sodium salt	<0.1%
CAS-No.: 3811-73-2	EC No.: 223-296-5
Classification (EC1272/2008)	Acute Tox 4-H302+H312+H332; Skin Irrit 2-H315; Eye Irrit 2-H319; Aquatic Acute 1-H400
Polyethylene glycol glycerol ether	CAS#9082-002 10-20% No Hazard
Water	CAS# 7732-18-5 EC 231-791-2 No Hazard 80-90%

The Full Text for all Hazard Statements is Displayed in Section 16

### 4) FIRST AID MEASURES

Inhalation:	No hazard
Skin Contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water.
Eye Contact:	Remove affected person from source of exposure. Remove contact lenses if possible before rinsing. Flush eyes at least 15 minutes with clean water while lifting eyelids. If irritation persists, seek medical attention. Continue to rinse.
Ingestion:	Do NOT induce vomiting. Rinse mouth with plenty of water. Never give anything by mouth to an unconscious victim. Seek medical attention if you feel unwell

### 5) FIRE FIGHTING MEASURES

Flash Point:	Not Applicable / Aqueous Product
Autoignition Temp:	None
LEL:	None
UEL:	None

Extinguisher Media: Non-flammable aqueous product. Use media appropriate for surrounding materials

Special Fire Fighting Procedures: none

Unusual Fire/Explosion Hazards: product contains sodium nitrite, an oxidizer. Product residue may oxidize if all water has evaporated.

### 6) ACCIDENTAL RELEASE MEASURES

*Personal precautions* - Wear protective clothing as described in Section 8 below.

*Environmental Precautions* - Do not allow **ANY** environmental contamination.

*Spill Clean Up Methods* - Do not touch spilled material. Stop leak if possible without risk. Absorb in vermiculite, dry sand or other inert material for aqueous spills and place into containers. Flush with plenty of water to clean spillage area.

### 7) HANDLING AND STORAGE

Handling Precautions:	No special measures necessary provided product is used correctly
Storage Requirements:	Store in original containers or in bulk storage tank indoors. Full or empty drums should be stored in a cool, dry, well-ventilated area.
Storage Class:	

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## 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT



### PROCESS CONDITIONS:

Provide eyewash, quick drench.

### ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

### RESPIRATORY EQUIPMENT

No specific recommendation made

### HAND PROTECTION

Wear protective gloves either rubber or neoprene.

### EYE PROTECTION

Wear safety glasses with side shields.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

### HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

Color	Clear, translucent liquid
Specific Gravity	1.05 @ 25°C
Density (lbs/gal)	8.75 @ 25°C
Vapor Pressure	17.5 mm Hg 20°C
pH	9.0-9.4 (Concentrated Solution)
Boiling Point	102°C (214°F)
Water Solubility	Fully miscible in water

## 10) STABILITY AND REACTIVITY

Stability:	Stable under normal temperature conditions
Conditions to Avoid:	None
Materials to Avoid:	Strong oxidizers; amines
Hazardous Decomposition	Carbon monoxide (CO) and Carbon dioxide (CO <sub>2</sub> ), Oxides of Nitrogen

## 11) TOXICOLOGICAL INFORMATION

### INGESTION

May be harmful if swallowed.

LD50 155 mg/kg (Rat)----- for Sodium Nitrite

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SKIN CONTACT  
No information available

EYE CONTACT  
No information available

## 12) ECOLOGICAL INFORMATION

### ECOTOXICITY

There are no data on the ecotoxicity of this product.

### MOBILITY

The product is miscible with water. May spread in water systems.

### BIOACCUMULATION

No data available on bioaccumulation.

### DEGRADABILITY

No data available.

### ACUTE FISH TOXICITY

No data available for mixture.

For most toxic component, LC50 between 1 and 10mg/L for most sensitive species tested

## 13) DISPOSAL CONSIDERATIONS

Dispose of concentrated product in accordance with local regulations by incineration at an approved waste disposal facility or to approved landfill. Do not dump into any sewers, on the ground or into any body of water.

## 14) TRANSPORT INFORMATION

Not Regulated- See Bill of Lading for Details

## 15) REGULATORY INFORMATION

### U.S. Federal Regulations

TSCA (Toxic Substances Control Act) – All components registered on existing inventory  
CERCLA (Comprehensive Response Compensation, and Liability Act): Sodium nitrite (100lb RQ)  
SARA Title III (Superfund Amendments and Reauthorization Act)  
313 Reportable Ingredients: Sodium nitrite

### EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. – No substances of very high concern (SVHC's)

### APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.

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## 16) OTHER INFORMATION

Only trained personnel should use this material.

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### HAZARD STATEMENTS IN FULL

H303 May be harmful if swallowed.  
H401 Toxic to aquatic life

### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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**END OF SDS DOCUMENT**