

## MetriCide® 28 Liquid Activator Safety Data Sheet

### 1. Identification

**Product name:** MetriCide® 28 Liquid Activator  
**Recommended use:** Disinfectants  
**Restrictions on use:** None known  
**Supplier:** METREX® RESEARCH  
 1717 W. Collins Ave.  
 Orange, CA 92867 - U.S.A.  
 T 1-800-841-1428 (Customer Service)  
**Emergency number:** (Chemical Spills, Leaks, Fire, Exposure or Accident only):  
 CHEMTREC 1-800-424-9300 (in the US), 1-703-527-3887 (Outside the US)  
**Issue date:** 09/17/2020

### 2. Hazard(s) identification

**Classification:**

Physical hazards	Health hazards
Not classified	Not classified

**GHS US labeling:**

No labeling applicable

### 3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Non-Hazardous Ingredients*	Trade Secret	95-99
Sodium nitrite	7632-00-0	1 - 5

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

### 4. First-aid measures

**Inhalation:** Move the affected person to the fresh air. Get medical attention if symptoms occur.  
**Skin:** Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.  
**Eyes:** Rinse eyes with water as a precaution. Get medical attention if irritation develops and persists.  
**Ingestion:** Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.  
**Symptoms/effects:** May cause minor eye irritation. Repeated or prolonged skin contact may cause irritation. May cause minor irritation to the respiratory tract and to other mucous membranes.  
**Immediate medical attention and special treatment, if necessary:** Not required.

### 5. Fire-fighting measures

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.  
**Unsuitable extinguishing media:** None.

**Fire hazard:** This product is not classified as flammable or combustible. On combustion releases: Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Phosphorus oxides.

**Special protective equipment and precautions for fire-fighters:** In case of fire: Stop leak if safe to do so. Cool down the containers exposed to heat with a water spray. Do not attempt to take action without suitable protective equipment.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Avoid contact with eyes, skin and clothing. Wear suitable protective clothing.

**Methods and material for containment and cleaning up:** Stop leak if safe to do so. Take up liquid spill into absorbent material. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

## 7. Handling and storage

**Precautions for safe handling:** Avoid breathing mist, vapors. Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Wash hands with water and soap. Read and follow safety precautions on the solvent label and SDS.

**Storage conditions:** Store at room temperature. Keep away from heat and direct sunlight. Keep away from oxidizing agents, reducing agents and humid air. Keep container tightly closed.

## 8. Exposure controls/personal protection

### Exposure guidelines:

Non-Hazardous Ingredients	None established.
Sodium nitrite	None established.

**Appropriate engineering controls:** Provide local exhaust or general room ventilation to minimize mist and/or vapor concentrations.

**Environmental exposure controls:** Avoid release to the environment.

### Personal protective equipment:

**Hand protection:** Wear impervious gloves.

**Eye protection:** Use suitable eye protection

**Skin and body protection:** Wear suitable protective clothing

**Respiratory protection:** In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

## 9. Physical and chemical properties

**Appearance:** Green Liquid.

**Physical state** : Liquid

**Color** : Green

**Odor** : odorless

**Odor threshold** : No data available

**pH** : 10 - 10.8

**Melting point** : Not applicable

<b>Freezing point</b>	: No data available	<b>Auto-ignition temperature</b>	: No data available
<b>Boiling point</b>	: No data available	<b>Decomposition temperature</b>	: No data available
<b>Flash point</b>	: No data available	<b>Viscosity, kinematic</b>	: No data available
<b>Relative evaporation rate (butyl acetate=1)</b>	: No data available	<b>Viscosity, dynamic</b>	: No data available
<b>Flammability (solid, gas)</b>	: Not applicable.	<b>Explosion limits</b>	: No data available
<b>Vapor pressure</b>	: No data available	<b>Explosive properties</b>	: No data available
<b>Relative vapor density at 20 °C</b>	: No data available	<b>Oxidizing properties</b>	: No data available
<b>Relative density</b>	: > 1.384		
<b>Solubility</b>	: Soluble in water.		
<b>Log Pow</b>	: No data available		

No additional information available

## 10. Stability and reactivity

**Reactivity:** The product is non-reactive under normal conditions of use, storage and transport.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** No dangerous reactions known under normal conditions of use.

**Conditions to avoid:** Avoid high temperatures. Water, humidity.

**Incompatible materials :** Strong oxidizing agents. reducing agents. Metals. Strong acids.

**Hazardous decomposition products:** Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Phosphorus oxides.

## 11. Toxicological information

**Inhalation:** May cause minor irritation to the respiratory tract and to other mucous membranes.

**Skin:** Repeated or prolonged skin contact may cause irritation.

**Eyes:** May cause minor eye irritation.

**Ingestion:** May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract. Overexposure to this material may result in methemoglobinemia. Symptoms may include dizziness, headache, nausea and loss of coordination. Cyanosis may occur (lips and fingernails turn blue).

**Chronic symptoms:** None known.

**Carcinogenicity:** Not classified

**Non-Hazardous Ingredients:** This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

**Sodium nitrite:** This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

**Germ cell mutagenicity:** Not classified

**Reproductive toxicity:** Not classified

**Numerical measures of toxicity:**

**The following are the toxicity values for the components:**

**Non-Hazardous Ingredients:** No data available

Sodium nitrite:	Oral rat LD50- 180 mg/kg body weight Animal: rat, Animal sex: male;
<b>Skin corrosion/irritation</b>	Not classified (Based on available data, the classification criteria are not met) pH: 10 - 10.8
<b>Serious eye damage/irritation</b>	Not classified pH: 10 - 10.8
<b>Respiratory or skin sensitization</b>	Not classified (This product does not cause skin sensitization. No sensitizing reaction was observed for guinea pigs. Based on available data, the classification criteria are not met)
<b>STOT-single exposure</b>	Not classified
<b>STOT-repeated exposure</b>	Not classified

## 12. Ecological information

**Ecology - general:** Harmful to aquatic life.

**Ecotoxicity:**

Sodium nitrite 0.54 mg/L Fish LC50; 15.4 mg/L Daphnia EC50

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:**

No data available

## 13. Disposal considerations

**Regional legislation (waste):** Dispose of in accordance with applicable federal, state, and local regulations.

## 14. Transport information

**Department of Transportation (DOT)**

Not regulated for transport

**Transport by sea**

Not regulated for transport

**Air transport**

Not regulated for transport

## 15. Regulatory information

**SARA Section 313 - Emission Reporting:** Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Sodium nitrite	7632-00-0	1 - 5%
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**CERCLA Section 103:**

Sodium nitrite	7632-00-0	100 lb
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**SARA 302:**

Not applicable

**SARA Section 311/312 Hazard Classes:** Refer to Section 2 for OSHA Hazard Classification.

**California Proposition 65:**

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

**TSCA:** All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

**INTERNATIONAL INVENTORIES**

- Australia AICS:** One or more ingredient(s) are not listed
- Canada DSL:** All the components are listed.
- China IECSC:** One or more ingredient(s) are not listed
- EU EINECS:** One or more ingredient(s) are not listed
- Japan ENCS:** One or more ingredient(s) are not listed
- Korea KECL:** One or more ingredient(s) are not listed
- New Zealand:** One or more ingredient(s) are not listed
- Philippines PICCS:** One or more ingredient(s) are not listed
- Taiwan CSNN:** One or more ingredient(s) are not listed

**16. Other information**

Revision date : 09/17/2020

<b>NFPA</b>	
NFPA health hazard:	1
NFPA fire hazard:	1
NFPA reactivity:	0

**NOTICE**

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, METREX® RESEARCH makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.