



Revision Number: 002.2

Issue date: 09/25/2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	<b>BONDERITE M-PT R-1 known as BONDERITE M-PT R-1</b>	<b>IDH number:</b>	596870
<b>Product type:</b>	Corrosion inhibitor	<b>Region:</b>	United States
<b>Restriction of Use:</b>	None identified	<b>Contact information:</b>	
<b>Company address:</b>	Telephone: +1 (860) 571-5100 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com		
Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067			

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**DANGER:** TOXIC IF SWALLOWED.  
 CAUSES SKIN IRRITATION.  
 CAUSES SERIOUS EYE IRRITATION.  
 MAY CAUSE DROWSINESS OR DIZZINESS.  
 SUSPECTED OF CAUSING GENETIC DEFECTS.

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY ORAL	3
SKIN IRRITATION	2
EYE IRRITATION	2A
GERM CELL MUTAGENICITY	2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

### PICTOGRAM(S)



### Precautionary Statements

<b>Prevention:</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust or fumes. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear eye and face protection. Wear protective gloves. Use personal protective equipment as required.
<b>Response:</b>	IF SWALLOWED: Immediately call a physician or poison control center. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. IF exposed or concerned: Get medical attention. Rinse mouth. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.
<b>Storage:</b>	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
<b>Disposal:</b>	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Sodium carbonate	497-19-8	60 - 100
Sodium nitrite	7632-00-0	30 - 60

\* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	For skin contact flush with large amounts of water.
<b>Eye contact:</b>	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
<b>Ingestion:</b>	Drink 1-2 glasses of water, seek medical advice. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>Symptoms:</b>	See Section 11.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Use media appropriate for surrounding material.
<b>Special firefighting procedures:</b>	Wear full protective clothing. Wear self-contained breathing apparatus.
<b>Unusual fire or explosion hazards:</b>	Not a fire hazard.
<b>Hazardous combustion products:</b>	Decomposes with heat to produce oxides of nitrogen.

### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Ventilate area. Do not allow product to enter sewer or waterways. Isolate area. Keep unnecessary personnel away.
<b>Clean-up methods:</b>	Sweep up or gather material and place in appropriate container for disposal. Flush area with water to remove trace residue. Dispose of according to Federal, State and local governmental regulations.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.  
Avoid breathing dust.

**Storage:** For safe storage, store at or below 250 °F (121.1 °C)  
Keep the container tightly closed and in a cool, well-ventilated place.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Sodium carbonate	None	None	None	None
Sodium nitrite	None	None	None	2 mg/m3 TWA Respirable fraction.

**Engineering controls:** Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

**Respiratory protection:** If ventilation is not sufficient to effectively prevent buildup of dust, appropriate NIOSH/MSHA respiratory protection must be provided.

**Eye/face protection:** Wear chemical goggles.

**Skin protection:** Chemical resistant, impermeable gloves. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Solid
<b>Color:</b>	Off white
<b>Odor:</b>	Mild
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	Not determined
<b>Boiling point/range:</b>	Not determined
<b>Melting point/ range:</b>	Not determined
<b>Specific gravity:</b>	Not determined
<b>Vapor density:</b>	Not determined
<b>Flash point:</b>	Not applicable
<b>Flammable/Explosive limits - lower:</b>	Not applicable
<b>Flammable/Explosive limits - upper:</b>	Not applicable
<b>Autoignition temperature:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable
<b>Solubility in water:</b>	Complete
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>VOC content:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Decomposes with heat to produce oxides of nitrogen. Oxides of carbon.
<b>Incompatible materials:</b>	This product reacts with acids to produce oxides of nitrogen.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	This product is an OXIDIZING AGENT - avoid contact with organic material.

## 11. TOXICOLOGICAL INFORMATION

**Relevant routes of exposure:** Skin, Inhalation, Eyes

### Potential Health Effects/Symptoms

<b>Inhalation:</b>	Dusts and mists (from solutions) can cause irritation of the nose and throat. May cause severe irritation.
<b>Skin contact:</b>	Dust or powder may irritate the skin.
<b>Eye contact:</b>	This product is severely irritating to the eyes. Rubbing may cause abrasion of cornea.
<b>Ingestion:</b>	This product may cause methemoglobinemia characterized by a reduction in oxygen carrying capacity of the blood with symptoms including headache, dizziness, flushed face, fatigue, nausea, vomiting, drowsiness, stupor, tremors, uneven heart action, coma and rarely death. This product may be fatal if it is swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Sodium carbonate	Oral LD50 (RAT) = 4,090 mg/kg Inhalation LC50 (RAT, 2 h) = 2.3 mg/l	Irritant, Sensory
Sodium nitrite	Oral LD50 (RAT) = 85 mg/kg Oral LD50 (RABBIT) = 186 mg/kg Inhalation LC50 (RAT, 4 h) = 5.5 mg/l	Blood, Central nervous system, Mutagen, Vascular

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Sodium carbonate	No	No	No
Sodium nitrite	No	No	No

## 12. ECOLOGICAL INFORMATION

**Ecological information:** No data available.

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

**Hazardous waste number:** If discarded, this product is considered a RCRA ignitable waste, D001.

### 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

#### U.S. Department of Transportation Ground (49 CFR)

**Proper shipping name:** Sodium nitrite  
**Hazard class or division:** 5.1 (6.1)  
**Identification number:** UN 1500  
**Packing group:** III

#### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Sodium nitrite  
**Hazard class or division:** 5.1 (6.1)  
**Identification number:** UN 1500  
**Packing group:** III

#### Water Transportation (IMO/IMDG)

**Proper shipping name:** SODIUM NITRITE  
**Hazard class or division:** 5.1 (6.1)  
**Identification number:** UN 1500  
**Packing group:** III

### 15. REGULATORY INFORMATION

#### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  
**TSCA 12 (b) Export Notification:** Sodium nitrite (CAS# 7632-00-0).  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimis  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health, Reactive  
**CERCLA/SARA Section 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Sodium nitrite (CAS# 7632-00-0).  
**CERCLA Reportable quantity:** Sodium nitrite (CAS# 7632-00-0) 100 lbs. (45.4 kg)  
**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

#### Canada Regulatory Information

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

### 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

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