



Revision Number: 003.3

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: BONDERITE M-AD 131
ACCELERATOR known as
ACCELERATOR 131

Product type: Additive

Company address:
Henkel Corporation
32100 Stephenson Highway
Madison Heights, MI 48071

IDH number: 595349

Region: United States

Contact information:
Telephone: 248.583.9300
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

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Physical state:	Liquid	HMIS:	
Color:	Yellow	HEALTH:	2
Odor:	Odorless	FLAMMABILITY:	0
		PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8

WARNING: HARMFUL OR FATAL IF SWALLOWED.
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: This product may be harmful by inhalation. This product is irritating to the respiratory system.

Skin contact: This product may cause irritation to the skin. This product may discolor the skin. A component in this product may be absorbed through the skin, especially if skin is damaged.

Eye contact: This product may cause irritation to the eyes.

Ingestion: This product may be fatal if it is swallowed. 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.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders. Preexisting cardiovascular or bone marrow diseases.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Sodium nitrite	7632-00-0	30 - 60

4. FIRST AID MEASURES

Inhalation:	If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.
Skin contact:	Remove contaminated clothing and footwear. Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Get immediate medical attention. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Notes to physician:	Treat symptomatically and supportively. If cyanosis is severe, intravenous injection of methylene blue, 1 mg/kg body weight, may be of value.

5. FIRE FIGHTING MEASURES

Flash point:	Not applicable
Autoignition temperature:	Not determined
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Extinguishing media:	Use media appropriate for surrounding material.
Special firefighting procedures:	Wear full protective clothing. Wear self-contained breathing apparatus.
Unusual fire or explosion hazards:	If evaporated to dryness, solid residue is an oxidizing agent and may cause spontaneous ignition of combustible materials.
Hazardous combustion products:	Irritating and toxic gases or fumes may be released during a fire.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions:	Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.
Clean-up methods:	Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. For industrial use only. Do not take internally. Wash thoroughly after handling. Do not mix this product with material which contain AMINES. NITROSAMINE may be formed.
Storage:	For safe storage, store between 4.4 °C (39.9 °F) and 37.8 °C (100°F) Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Store away from acids, ammonium compounds, and reducing agents, particularly cyanides, thiocyanides and thiosulfates. Sodium nitrite may react with organic amines to form nitrosamines.

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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Sodium nitrite	None	None	None	2 mg/m3 TWA Respirable fraction.

Engineering controls:	Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.
Respiratory protection:	If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage must be implemented. If concentrations are below the TLV and/or PEL, a NIOSH approved disposable dust/mist respirator may be used for personal comfort. For concentrations above the TLV and/or PEL but less than 10 times these limits, a NIOSH approved half-facepiece respirator equipped with dust-mist cartridges may be used. For concentrations greater than 10 times these limits, consult the NIOSH respirator decision logic found in Publication No. 87-116 or ANSI Z88.2-1992.
Eye/face protection:	Wear chemical goggles; face shield (if splashing is possible).
Skin protection:	Chemical resistant, impermeable gloves. Gloves such as PVC or nitrile are recommended. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Yellow
Odor:	Odorless
Odor threshold:	Not available
pH:	7.0 - 8.0
Vapor pressure:	Not determined
Boiling point/range:	> 210 °F (> 98.9 °C)
Melting point/ range:	-12 °C (10.4 °F)
Specific gravity:	1.30 - 1.32
Vapor density:	Not determined
Flash point:	Not applicable
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Autoignition temperature:	Not determined
Evaporation rate:	Not determined
Solubility in water:	Complete
Partition coefficient (n-octanol/water):	Not available
VOC content:	0 % (calculated)

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	None under normal processing.
Hazardous decomposition products:	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Decomposes with heat to produce oxides of nitrogen.
Incompatible materials:	This product may react with ammonium compounds and reducing agents, particularly cyanides, thiocyanates and thiosulfates. Sodium nitrite may react with organic amines to form nitrosamines. This product reacts with acids to produce oxides of nitrogen. If evaporated to dryness, dry residue is combustible. Keep away from heat, spark and flame. Dry residues of sodium nitrite and sodium thiosulfate explode upon heating.
Conditions to avoid:	This product is an OXIDIZING AGENT - avoid contact with organic material.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Sodium nitrite	No	No	No

Hazardous components	Health Effects/Target Organs
Sodium nitrite	Blood, Central nervous system, Mutagen, Vascular

12. ECOLOGICAL INFORMATION

Ecological information:	Toxic to aquatic organisms
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13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal:	Dispose of according to Federal, State and local governmental regulations.
Hazardous waste number:	Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

14. TRANSPORT INFORMATION

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

Proper shipping name:	Toxic liquid, inorganic, n.o.s. (Sodium nitrite)
Hazard class or division:	6.1
Identification number:	UN 3287
Packing group:	III
DOT Reportable quantity:	Sodium nitrite

International Air Transportation (ICAO/IATA)

Proper shipping name:	Toxic liquid, inorganic, n.o.s. (Sodium nitrite)
Hazard class or division:	6.1
Identification number:	UN 3287
Packing group:	III

Water Transportation (IMO/IMDG)

Proper shipping name:	TOXIC LIQUID, INORGANIC, N.O.S. (Sodium nitrite)
Hazard class or division:	6.1
Identification number:	UN 3287
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 minimus
CERCLA/SARA Section 311/312:	Immediate Health
CERCLA/SARA 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.
WHMIS hazard class:	D.1.B, D.2.B, C

16. OTHER INFORMATION

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

Prepared by: Jennifer Mckay, Regulatory Affairs Specialist

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