

Safety Data Sheet



Revision Number: 004.4

Issue date: 03/30/2023

1. PRODUCT AND COMPANY IDENTIFICATION

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

IDH number: 1287655

Product type/use: Additive

Restriction of Use: None identified

Item number: 1287655

Region: United States

Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Contact information:
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

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: TOXIC IF SWALLOWED.
CAUSES SERIOUS EYE IRRITATION.

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY ORAL	3
EYE IRRITATION	2A

PICTOGRAM(S)



Precautionary Statements

Prevention: Wash affected area thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye and face protection.

Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage: Store locked up.

Disposal: 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 nitrite	7632-00-0	30 - 40
Sodium nitrate	7631-99-4	1 - 5

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

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.
Symptoms:	See Section 11.
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

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 Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Sodium nitrite	None	None	None	2 mg/m ³ TWA Respirable fraction.
Sodium nitrate	None	None	None	None

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. Air purifying respirators must use N, R, or P series filters. The filter must be NIOSH classification 95, 99, or 100. Protection provided by air-purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known; or any other circumstances where air purifying respirators may not provide adequate protection.
Eye/face protection:	Wear safety glasses; chemical goggles (if splashing is possible).
Skin protection:	Wear impervious gloves for prolonged contact. Gloves should be tested to determine suitability for prolonged contact. Recommend using Nitrile gloves. Neoprene gloves.

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:	> 121 °C (> 249.8 °F) Boiling point Aqueous solution
Melting point/ range:	-12 °C (10.4 °F)
Specific gravity:	1.306 - 1.34
Vapor density:	Not determined
Flash point:	Not applicable
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Autoignition temperature:	Not determined
Flammability:	Not applicable
Evaporation rate:	Not determined
Solubility in water:	Complete
Partition coefficient (n-octanol/water):	Not available.
VOC content:	0 % (calculated)
Viscosity:	Not available.
Decomposition temperature:	Not available.

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.
Reactivity:	Not available.
Conditions to avoid:	Keep away from heat, ignition sources and incompatible materials.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:	Skin, Inhalation, Eyes
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Potential Health Effects/Symptoms

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.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Sodium nitrite	Oral LD50 (Mouse) = 175 mg/kg Oral LD50 (Rat) = 85 mg/kg Oral LD50 (Rabbit) = 186 mg/kg	Blood, Central nervous system, Mutagen, Vascular
Sodium nitrate	Oral LD50 (Rat) = 1,267 mg/kg	Blood, Central nervous system, Corrosive, Gastrointestinal, Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Sodium nitrite	No	Group 2A	No
Sodium nitrate	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Toxic to aquatic organisms

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

14. TRANSPORT INFORMATION

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

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 Hazardous Substance(s): 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
Marine pollutant: Sodium nitrite
Additional information: IMDG-Code: Segregation group 12- Nitrites and their mixtures

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) 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

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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/NDSL 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: This Safety Data Sheet contains changes from the previous version in Section(s): 9, 15

Prepared by: Regulatory Affairs

Issue date: 03/30/2023

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