



Revision Number: 003.2

Issue date: 07/20/2018

1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|----------------------------|---|-----------------------------|---|
| Product name: | BONDERITE M-AC ZN POWDERED CONDITIONING AGENT known as FIXODINE ZN | IDH number: | 593927 |
| Product type: | Coating | Region: | United States |
| Restriction of Use: | None identified | Contact information: | |
| Company address: | Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067 | 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

WARNING: CAUSES SKIN IRRITATION.
CAUSES SERIOUS EYE IRRITATION.

| HAZARD CLASS | HAZARD CATEGORY |
|-----------------|-----------------|
| SKIN IRRITATION | 2 |
| EYE IRRITATION | 2A |

PICTOGRAM(S)



Precautionary Statements

| | |
|--------------------|--|
| Prevention: | Wash affected area thoroughly after handling. Wear protective gloves, eye protection, and face protection. |
| Response: | IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. |
| Storage: | Not prescribed |
| Disposal: | Not prescribed |

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 phosphate, dibasic | 7558-79-4 | 40 - 50 |
| Tetrasodium pyrophosphate | 7722-88-5 | 20 - 30 |

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| | | |
|-------------------------------------|------------|---------|
| Sodium hydrogen carbonate | 144-55-8 | 10 - 20 |
| Trisodium orthophosphate | 7601-54-9 | 1 - 5 |
| Titanium dioxide | 13463-67-7 | 1 - 5 |
| Metaphosphoric acid, trisodium salt | 7785-84-4 | 1 - 5 |
| Pentasodium triphosphate | 7758-29-4 | 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

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|----------------------------|--|
| Inhalation: | If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention. |
| Skin contact: | 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 unless directed to do so by medical personnel. |
| Symptoms: | See Section 11. |
| Notes to physician: | Treat symptomatically and supportively. |

5. FIRE FIGHTING MEASURES

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|---|--|
| Extinguishing media: | Water spray (fog), foam, dry chemical or carbon dioxide. |
| Special firefighting procedures: | Wear full protective clothing. Wear self-contained breathing apparatus. |
| Unusual fire or explosion hazards: | May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses. |
| Hazardous combustion products: | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. 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.

| | |
|-----------------------------------|---|
| 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: | Scrape up spilled material and place in a closed 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. Wash thoroughly after handling. Avoid breathing dust. For industrial use only. Do not take internally. |
| Storage: | Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. |

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 phosphate, dibasic | None | None | None | None |
| Tetrasodium pyrophosphate | None | None | None | None |
| Sodium hydrogen carbonate | None | None | None | None |
| Trisodium orthophosphate | None | None | 5 mg/m3 STEL | None |
| Titanium dioxide | 10 mg/m3 TWA | 15 mg/m3 PEL Total dust. 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. | None | None |
| Metaphosphoric acid, trisodium salt | None | None | None | None |
| Pentasodium triphosphate | None | None | None | None |

Engineering controls:

Ventilation should effectively remove and prevent buildup of any dust 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:

Wear impervious gloves for prolonged contact. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|----------------------|
| Physical state: | Solid |
| Color: | White |
| Odor: | None |
| Odor threshold: | Not available. |
| pH: | 8 - 10 (4% solution) |
| Vapor pressure: | Not applicable |
| Boiling point/range: | Not applicable |
| Melting point/ range: | Not determined |
| Specific gravity: | 1.11 |
| Vapor density: | Not applicable |
| Flash point: | Not applicable |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Autoignition temperature: | Not applicable |
| Flammability: | Not applicable |
| Evaporation rate: | Not applicable |
| Solubility in water: | Appreciable |
| Partition coefficient (n-octanol/water): | Not determined |
| VOC content: | Not applicable |
| Viscosity: | Not available. |
| Decomposition temperature: | Not available. |

10. STABILITY AND REACTIVITY

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|--|--|
| Stability: | Stable at normal conditions. |
| Hazardous reactions: | None under normal processing. |
| Hazardous decomposition products: | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen. |
| Incompatible materials: | This product reacts with acids. |
| 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

Potential Health Effects/Symptoms

| | |
|----------------------|---|
| Inhalation: | Not available. |
| Skin contact: | Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis. |
| Eye contact: | This product may cause irritation to the eyes. |
| Ingestion: | Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|-------------------------------------|---|---|
| Sodium phosphate, dibasic | Oral LD50 (Rat) = 17 g/kg | Irritant, Corrosive |
| Tetrasodium pyrophosphate | None | Corrosive, Irritant, Metabolic |
| Sodium hydrogen carbonate | Oral LD50 (Rat) = 4,220 mg/kg | Irritant, Metabolic |
| Trisodium orthophosphate | Oral LD50 (Rat) = 4.8 mg/kg Oral LD50 (Rat) = > 2,000 mg/kg Dermal LD50 (Rabbit) = >= 2 mg/kg | Corrosive, Eyes, Irritant, Metabolic, Muscle, Vascular |
| Titanium dioxide | None | Irritant, Respiratory, Some evidence of carcinogenicity |
| Metaphosphoric acid, trisodium salt | None | Irritant, Metabolic |
| Pentasodium triphosphate | None | Corrosive, Irritant, Metabolic |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|-------------------------------------|----------------|-----------------|--|
| Sodium phosphate, dibasic | No | No | No |
| Tetrasodium pyrophosphate | No | No | No |
| Sodium hydrogen carbonate | No | No | No |
| Trisodium orthophosphate | No | No | No |
| Titanium dioxide | No | Group 2B | No |
| Metaphosphoric acid, trisodium salt | No | No | No |
| Pentasodium triphosphate | No | No | No |

12. ECOLOGICAL INFORMATION

Ecological information: Do not empty into drains / surface water / ground water.

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: 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

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: RQ, Environmentally hazardous substance, solid, n.o.s.
Hazard class or division: 9
Identification number: UN 3077
Packing group: III
DOT Hazardous Substance(s): Sodium phosphate, dibasic

International Air Transportation (ICAO/IATA)

Proper shipping name: RQ, Environmentally hazardous substance, solid, n.o.s.
Hazard class or division: 9
Identification number: UN 3077
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: RQ, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Hazard class or division: 9
Identification number: UN 3077
Packing group: III
Additional information: IMDG-Code: Segregation group 18- Alkalis

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: None above reporting de minimis

CERCLA/SARA Section 302 EHS: None above reporting de minimis.
CERCLA/SARA Section 311/312: Immediate Health
CERCLA/SARA Section 313: None above reporting de minimis.
CERCLA Reportable quantity: Sodium phosphate, dibasic (CAS# 7558-79-4) 5,000 lbs. (2,270 kg)

California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

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 Material Safety Data Sheet format.

Prepared by: Regulatory Affairs

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