



Revision Number: 001.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: BONDERITE S-FN 5081 known as P3-prevox 5081 **IDH number:** 27131
Product type: Corrosion Protection Agents for Metals **Region:** United States
Company address: Henkel Corporation
32100 Stephenson Highway
Madison Heights, MI 48071
Contact information:
Telephone: 248.583.9300
For Chemical Emergency: Call CHEMTREC at 800.424.9300
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Physical state:	Liquid	HMIS:	
Color:	Brown	HEALTH:	*2
Odor:	Amine-like	FLAMMABILITY:	0
		PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8

WARNING: MAY CAUSE EYE AND SKIN BURNS.
MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: May cause severe irritation.
Skin contact: This product is severely irritating to the skin and may cause burns. May cause sensitization by skin contact. This product may be harmful if it is absorbed through the skin.
Eye contact: Contact with the eyes can cause severe burns and permanent eye damage.
Ingestion: May cause dizziness, incoordination, headache, nausea, and vomiting.

Existing conditions aggravated by exposure: Eye, skin and respiratory disorders.

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Diethanolamine	111-42-2	10 - 30
Methylpentanediol-2,4, 2-	107-41-5	5 - 10

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, seek medical advice.

Skin contact: Immediately wash skin thoroughly with soap and water. Immediately remove soiled or soaked clothing. If symptoms develop and persist, get medical attention.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical treatment necessary.

Ingestion: Immediate medical treatment necessary. Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash point: No flash point up to 100°C. Aqueous preparation.

Autoignition temperature: Not available

Flammable/Explosive limits - lower: Not available

Flammable/Explosive limits - upper: Not available

Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide. In case of fire, keep containers cool with water spray.

Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards: This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a moderate fire hazard.

Hazardous combustion products: Ammonia. Oxides of carbon. 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: Do not empty into drains / surface water / ground water.

Clean-up methods: Absorb spill with inert material. Shovel material into appropriate container for disposal.

7. HANDLING AND STORAGE

Handling: The workroom should have emergency shower and possibility to flush eyes. Ensure that workrooms are adequately ventilated. Avoid skin and eye contact. See advice in chapter 8

Storage: For safe storage, store between -10 °C (14°F) and 40 °C (104°F)
At the usual storage and transportation conditions no impairments of the product are to be expected.

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
Diethanolamine	(SKIN) Inhalable fraction and vapor. 1 mg/m ³ TWA Inhalable fraction and vapor.	None	None	None
Methylpentanediol-2,4, 2-	25 ppm Ceiling	None	None	None

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 airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Eye/face protection: Wear chemical goggles; face shield (if splashing is possible).

Skin protection: Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Brown
Odor: Amine-like
Odor threshold: Not available
pH: 9.0 - 9.6
Vapor pressure: (aqueous solution)
Boiling point/range: Not available
Melting point/ range: Not available
Vapor density: Not available
Flash point: No flash point up to 100°C. Aqueous preparation.
Flammable/Explosive limits - lower: Not available
Flammable/Explosive limits - upper: Not available
Autoignition temperature: Not available
Evaporation rate: Not available
Solubility in water: Complete
Partition coefficient (n-octanol/water): Not available
VOC content: Not available

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: None under normal processing.

Hazardous decomposition products: Irritating and toxic gases or fumes may be released during a fire.

Incompatible materials: Do not mix this product with nitrites or other nitrosating agents because a carcinogenic nitrosamine may be formed.

Conditions to avoid: Store away from incompatible materials.

11. TOXICOLOGICAL INFORMATION

Acute oral product toxicity: In the event of protracted or repeated exposure, damage to health cannot be excluded.

Acute inhalation product toxicity: Inhalation of aerosol/spraymist is irritating to respiratory system.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Diethanolamine	No	No	No
Methylpentanediol-2,4, 2-	No	No	No

Hazardous components	Health Effects/Target Organs
Diethanolamine	Allergen, Blood, Brain, Central nervous system, Corrosive, Heart, Irritant, Kidney, Liver, Respiratory, Spleen
Methylpentanediol-2,4, 2-	Irritant, Central nervous system

12. ECOLOGICAL INFORMATION

Ecological information: Slightly water endangering product.

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: 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: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: One or more components of this product are not listed on the U.S. Toxic Substances Control Act (TSCA) inventory. As such, this product may only be used for research and development purposes as described in 40 CFR 720.36. All other components of this product are listed or are exempt from listing.

TSCA 12(b) Export Notification: None above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Immediate Health, Delayed 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). Diethanolamine (CAS# 111-42-2).

CERCLA Reportable quantity: Diethanolamine (CAS# 111-42-2) 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: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: First issue.

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