

Material Safety Data Sheet

Product Trade Name: **MAXAMP BN**

Code: H127

*** Section 1 - Chemical Product and Company Identification ***

Product Trade Name: **MAXAMP BN**

Manufacturer Information

Heatbath Corporation

P.O. Box 51048

Indian Orchard, MA 01151-5048

Contact Phone: (413) 452-2000

8:00 AM – 5:00 PM

CHEMTREC Emergency Phone: (800) 424-9300

24 Hours

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
6834-92-0	Sodium metasilicate	30-60
497-19-8	Sodium carbonate	25-35
68649-29-6	Surfactant(s)	10-30
1310-73-2	Sodium hydroxide	10-30
5064-31-3	Nitrilotriacetic acid trisodium salt	<1

Additional Information:

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

*** Section 3 - Hazards Identification ***

Emergency Overview:

DANGER -- CORROSIVE! Powder. Contact with this material will cause burns to the skin, eyes and mucous membranes. Cancer hazard.

Eye Contact:

This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.

Skin Contact:

Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.

Skin Absorption:

None expected.

Ingestion:

This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Inhalation:

Inhalation of dusts of this product may cause severe irritation and burns to the respiratory tract.

Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders.

*** Section 4 - First Aid Measures ***

Eye Contact:

In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Skin Contact:

Immediately take off all contaminated clothing. For skin contact, flush with large amounts of water. Seek immediate medical attention.

Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Material Safety Data Sheet

Product Trade Name: **MAXAMP BN**

Code: H127

Inhalation:

If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

First Aid: Notes to Physician

No additional information available.

***** Section 5 - Fire Fighting Measures *****

Flash Point: Not applicable	Method Used: Not applicable	Flammability Classification: Non-flammable
Upper Flammable Limit (UFL): Not applicable	Lower Flammable Limit (LFL): Not applicable	

Fire & Explosion Hazards:

This material will not burn.

Decomposition Products:

Irritating and toxic gases or fumes may be released during a fire.

Extinguishing Media:

Use any media suitable for the surrounding fires.

Fire-Fighting Instructions:

Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

***** Section 6 - Accidental Release Measures *****

Containment and Clean up procedures must be conducted in accordance with all local, state, and federal regulations.

Containment Procedures:

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up.

Clean-Up Procedures:

Sweep up or gather material and place in appropriate container for disposal. Dispose of collected material according to regulation.

***** Section 7 - Handling and Storage *****

Handling Procedures:

Do not get this material in your eyes, on your skin, or on your clothing. Wash thoroughly after handling. Do not breathe fumes or dust from this material. For industrial use only. NEVER ADD WATER TO PRODUCT. For dilutions, add product slowly to water while stirring. Use caution; heat may be generated.

Storage Procedures:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

***** Section 8 - Exposure Controls / Personal Protection *****

Exposure Guidelines:

A: General Product Information

Follow all applicable exposure limits.

Material Safety Data Sheet

Product Trade Name: **MAXAMP BN**

Code: H127

B: Component Exposure Limits

Sodium hydroxide (1310-73-2)

ACGIH: C 2 mg/m³

OSHA: C 2 mg/m³

NIOSH: C 2 mg/m³

Engineering Controls:

Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

Eyes/Face Protective Equipment:

Wear chemical goggles; face shield (if splashing is possible).

Skin Protection:

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

Respiratory Protection:

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

Personal Protective Equipment:

Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

Physical State:	Solid	Appearance:	Off white granular
Odor:	Slight detergent odor	Vapor Pressure:	Not applicable
Vapor Density:	Not applicable	Boiling Point:	>1000 °F (>537.8 °C)
Melting Point:	Not applicable	Freezing Point:	Not applicable
Specific Gravity:	65 lbs / ft ³	pH:	13.85 (1% solution)
Viscosity:	Not applicable	VOC:	Not applicable
Solubility Water:	28%	Evaporation Rate:	Not applicable

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability:

Stable under normal conditions.

Conditions to Avoid:

None expected.

Incompatibility:

This product reacts with acids. Adding water to this product may cause localized overheating and splattering.

Decomposition Products:

None expected.

Hazardous Polymerization:

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Toxicity:

A: General Product Information

Overexposure to calcium carbonate may result in irritation to eyes, skin and respiratory system. Acute ingestion may result in mild gastrointestinal distress while chronic exposure may result in hypercalcemia, alkalosis and renal impairment. Approximately 70-80% of inhaled calcium carbonate was retained in the lungs. Animal studies suggest that inhalation of calcium carbonate dusts may enhance susceptibility to respiratory infection.

Material Safety Data Sheet

Product Trade Name: **MAXAMP BN**

Code: H127

Sodium silicate is a severe eye, skin and respiratory system irritant. Prolonged or repeated contact with the skin may cause defatting and ulcerative dermatitis.

Sodium hydroxide is an alkaline corrosive that results in severe irritation and burns to the eyes, skin, respiratory system, and gastrointestinal system. Sodium hydroxide has been implicated as a cause of cancer in humans. However, this may be a secondary effect of the tissue destruction and scar formation caused by sodium hydroxide. Embryotoxicity in rats may be attributed to an alteration of pH in the amniotic fluid rather than the sodium hydroxide itself.

B: Component Analysis - LD50/LC50

Sodium metasilicate (6834-92-0)

Oral LD50 Mouse: 770 mg/kg

Oral LD50 Rat: 1153 mg/kg

Sodium carbonate (497-19-8)

Oral LD50 Rat: 4090 mg/kg

Inhalation LC50 Mouse: 1200 mg/m³/2H

Oral LD50 Mouse: 6600 mg/kg

Inhalation LC50 Rat: 2300 mg/m³/2H

Nitilotriacetic acid trisodium salt (5064-31-3)

Oral LD50 Mouse: 681 mg/kg

Oral LD50 Rat: 1100 mg/kg

Carcinogenicity:

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Other Toxicological Information:

None available.

***** Section 12 - Ecological Information *****

Ecotoxicity:

A: General Product Information

Because of the high pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Sodium carbonate (497-19-8)

Conditions
Static.

Test & Species

LC50 (96 hr) bluegill

320 mg/L.

Environmental Fate:

No data is available concerning the environmental fate, biodegradation or bioconcentration for this product.

***** Section 13 - Disposal Considerations *****

Wastes must be tested using methods described in 40 CFR Part 261. It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous wastes. State and local regulations may differ from Federal disposal regulations. Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.

Material Safety Data Sheet

Product Trade Name: **MAXAMP BN**

Code: H127

*** Section 14 - Transportation Information ***

US DOT Information

Proper Shipping Name Corrosive Solid, Basic, Inorganic, N.O.S. (Contains Sodium Hydroxide, Sodium Metasilicate)
Hazard Class 8
UN / NA Number UN3262
Packing Group II
Product RQ (lb) --

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No additional information available.

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Sodium hydroxide (1310-73-2)

CERCLA: final RQ = 1000 pounds (454 kg)

SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No Reactive: Yes

State Regulations

A: General Product Information

No additional information available.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Sodium hydroxide	1310-73-2	Yes	Yes	Yes	Yes	Yes	Yes
Nitrilotriacetic acid trisodium salt	5064-31-3	No	No	Yes	No	No	No

Other Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Sodium metasilicate	6834-92-0	Yes	Yes	Yes
Sodium carbonate	497-19-8	Yes	Yes	Yes
Surfactant(s)	68649-29-6	Yes	Yes	No
Sodium hydroxide	1310-73-2	Yes	Yes	Yes
Nitrilotriacetic acid trisodium salt	5064-31-3	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Sodium metasilicate	6834-92-0	1% item 1448 (1084)
Sodium carbonate	497-19-8	1% item 1431 (392)
Sodium hydroxide	1310-73-2	1% item 1442 (998)

Material Safety Data Sheet

Product Trade Name: **MAXAMP BN**

Code: H127

***** Section 16 - Other Information *****

NFPA Ratings: Health: 3 Fire: 0 Reactivity: 1 Other:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS Ratings: Health: 3* Fire: 0 Reactivity: 1 Pers. Prot.:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

MSDS Change History:

7/15/03: Rev.03; MSDS as issued by Chemtech Finishing Systems.

1/18/05: Chemtech Finishing Systems acquired by Heatbath Corporation.

3/30//05: Rev.04; Chemtech MSDS issued under new manufacturer: Heatbath Corporation.

Sec.1 - Manufacturer Information Updated

Sec.16 - MSDS Change History section added

Sec.16 - Contact Information Updated

Key/Legend:

ACGIH = American Conference of Governmental Industrial Hygienists	NFPA = National Fire Protection Association
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act	NIOSH = National Institute for Occupational Safety and Health
EPA = Environmental Protection Agency	NTP = National Toxicology Program
HMIS = Hazardous Material Identification System	OSHA = Occupational Safety and Health Administration
IARC = International Agency for Research on Cancer	SARA = Superfund Amendments and Reauthorization Act
MSHA = Mine Safety and Health Administration	TSCA = Toxic Substance Control Act

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Heatbath Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Contact: Jeff Szotek

Contact Phone: (413) 452-2000

This is the end of MSDS for MAXAMP BN.