

SAFETY DATA SHEET

Section 1. Identification of the Product and Company

Product Name: Blitz NB Degreaser
Product Use: Cleaning product

Product Code: 80-955 80-956 80-957 80-958

Manufactured for: Kimball Midwest
4800 Roberts Rd.
Columbus, Ohio 43228

Phone: 800-233-1294
Company Emergency Phone: 800-233-1294
Chemical Emergency Phone: 800-424-9300 (Chemtrec)
SDS Date of Preparation: December 19, 2024

Section 2. Hazards Identification

GHS Classification:

Physical:	Health:
Not Hazardous	Skin Corrosion Category 1C Eye Damage Category 1 Toxic to Reproduction Category 2

GHS Label Elements:



Danger!

Statements of Hazard

Causes severe skin burns and eye damage.
Suspected of damaging fertility or the unborn child.

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe mist, vapors, or spray.
Wash thoroughly after handling.
Wear protective gloves, protective clothing, eye protection and face protection.

Storage

Store locked up.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
IF exposed or concerned: Get medical attention.

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Disposal

Dispose of contents in accordance with local, state, and federal regulations

Section 3. Composition/Information on Ingredients

Component	CAS Number	% by Weight
Sodium Tetraborate Pentahydrate	12179-04-3	1-5
Sodium Metasilicate	6834-92-0	1-<5

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4. First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 20 minutes while holding the eyelids apart. Remove contact lenses if safe and easy to do. Get immediate medical attention.

Skin: Flush skin with plenty of water for 15 minutes while removing contaminated clothing. Wash skin thoroughly with soap and water. Get immediate medical attention. Launder clothing before re-use.

Inhalation: Remove victim to fresh air. If breathing is difficult, have qualified person administer oxygen. If not breathing, give artificial respiration. Get immediate medical attention.

Ingestion: Do NOT induce vomiting. Rinse mouth with a small amount of water. Never give anything by mouth to an unconscious or drowsy person. Get immediate medical attention.

Most important Symptoms: Causes severe eye irritation or burns. Permanent eye damage may occur. Causes skin irritation or burns. May cause respiratory irritation or burns. Swallowing may cause burns to the mouth, throat, or stomach. May cause reproductive or developmental toxicity.

Indication of immediate medical attention/special treatment: Get immediate medical attention for product contact and ingestion.

Section 5. Fire Fighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use any media that is suitable for the surrounding fire.

Specific hazards arising from the chemical: Not classified as combustible but will burn under fire conditions after the water has evaporated. Containers may rupture in a fire due to pressure build-up. Decomposition may produce carbon, potassium sodium and boron oxides.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water spray.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Isolate the area and remove unprotected people. Wear suitable protective clothing to prevent skin and eye contact. Ventilate the area.

Methods and Materials for Containment and Cleaning Up: Neutralize spill with weak acid solution, or basic spill kit. Promptly clean up spills with inert absorbent and place in a suitable, properly labeled container for disposal. Clean spill area thoroughly. Keep out of sewers and waterways. Notify authorities of releases as required.

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Section 7. Handling and Storage

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Prevent contact with eyes and skin. Do not breathe vapors, spray, or mists. Use only with adequate ventilation. Wear suitable protective clothing and equipment (See Section 8). When diluting, never pour water into this product. Always add this slowly to water while stirring. Do not eat, drink, or smoke while using this product. Wash hands thoroughly after use. Take off and launder contaminated clothing before reuse. Keep container closed when not in use. Empty containers retain product residues and may be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including Any Incompatibilities: Store locked up in a cool, dry, well-ventilated area. Store away from acids and oxidizers.

Section 8. Exposure Controls / Personal Protection

Exposure Limits:

Chemical Name	Exposure Limits
Sodium Tetraborate Pentahydrate (as inorganic borates)	2 mg/m ³ TWA, 6 mg/m ³ STEL ACGIH TLV (inhalable)
Sodium Metasilicate	None Established

Engineering Controls: Provide general or local exhaust ventilation to minimize exposure levels and maintain exposure levels below the occupational exposure limits. Emergency eye wash or safety shower should be available.

Respiratory Protection: For operations where the exposures are excessive or exposure limits are exceeded, an approved organic vapor respirator/dust/mist or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with applicable regulations and good industrial hygiene practice.

Eye Protection: Wear chemical safety goggles and face-shield if contact is possible.

Skin Protection: Chemical resistant gloves recommended to prevent skin contact. Contact your glove supplier for assistance in selecting an appropriate glove. Wear suitable chemical resistant clothing to prevent skin contact.

Section 9. Physical and Chemical Properties

Appearance- Color and Odor: Blue-green liquid with a slight odor.

Physical State: Liquid	Odor Threshold: Not available
Relative Vapor Density: >1	Initial Boiling Point/Range: Not available
Solubility In Water: Soluble	Vapor Pressure: Not available
Relative Density: 1.07	Evaporation Rate: Same as water.
Melting/Freezing Point: Not determined.	pH: 12.3
VOC Content: Not determined.	Octanol/Water Coefficient: Not available
Kinematic Viscosity: Not available	Decomposition Temperature: Not available
Flashpoint: >212°F (>100°C) TCC	Flammability: Not applicable
Flammable Limits: LEL: Not applicable UEL: Not applicable	Autoignition Temperature: Not applicable
Particle Characteristics: Not applicable	

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Section 10. Stability and Reactivity

Reactivity: Not normally reactive

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: May react with acids generating heat.

Conditions to Avoid: Avoid excessive heat.

Incompatible Materials: Avoid strong oxidizing agents and acids. May attack plastics, rubber, and coatings.

Hazardous Decomposition Products: Thermal decomposition yields carbon, potassium sodium and boron oxides.

Section 11. Toxicological Information

Inhalation: Inhalation of vapor or mist may cause severe irritation of the nose, throat, and respiratory tract. High concentrations may cause lung damage.

Eye Contact: May cause severe irritation or burns with redness, tearing and pain. Permanent damage may occur.

Skin Contact: May cause severe irritation with redness, pain and burning of the skin.

Ingestion: Ingestion may cause burns to the mouth, throat and stomach, nausea, vomiting, diarrhea, and shock.

Chronic Effects: Suspected of causing adverse reproductive effects

Sensitization: Not classified. None of the components are sensitizers.

Carcinogenicity: Not classified. None of the components are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH or OSHA.

Reproductive Effects: Sodium tetraborate pentahydrate is suspected of causing adverse reproductive effects. In animal ingestion studies in several species, high doses of borates were found to cause reproductive and developmental effects. A human study of occupational exposure to borate dust showed no adverse effects on reproduction.

Mutagenic Effects: Not classified. None of the components are germ cell mutagens.

Toxicological Data: Acute Toxicity Estimate: Oral 8403 mg/kg; Inhalation >20 mg/L as mist

Sodium Metasilicate: Oral rat LD50 1280 mg/kg, Dermal rat LD50 >5000 mg/kg,

Inhalation rat LC50 >2.06 mg/L/ 4 hr (no mortalities)

Sodium Tetraborate Pentahydrate: Oral rat LD50 3450 mg/kg, Inhalation rat LC50 >2.03 mg/L,

Dermal rat LC50>2000 mg/kg

Section 12. Ecological Information

Ecotoxicity: No data currently available for product.

Sodium Metasilicate: 96 hr LC50 Danio rerio 210 mg/L, 48 hr EC50 daphnia magna 1700 mg/L,

72 hr EC50 Desmodesmus subspicatus 207 mg/L

Sodium Tetraborate Pentahydrate: 96 hr EC50 Pimephales promelas 79.9 mg/L,

48 hr LC50 daphnia magna 141 mg/L, 96 hr EC50 Scenedesmus subspicatus 158 mg/L

Persistence and Degradability: No data currently available for product.

Bioaccumulative Potential: No data currently available for product.

Mobility in Soil: No data currently available for product.

Other Adverse Effects: Before neutralization, extreme pH may have temporary harmful effects.

Section 13. Disposal Information

Dispose in accordance with local, state, and federal regulations.

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Section 14. Transport Information
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	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	N/A	Not Regulated	N/A	N/A	N/A
TDG	N/A	Not Regulated	N/A	N/A	N/A
IMDG	N/A	Not Regulated	N/A	N/A	N/A
IATA	N/A	Not Regulated	N/A	N/A	N/A

Transport in bulk according to IMO instruments: Not applicable.

Note: GHS corrosive classification is based on pH and not applicable for transportation classification.

Section 15. Regulatory Information

EPA SARA 311/312 Hazards: Classified as per GHS classification in Section 2 of this SDS.

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None.

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state, and local regulations.

Hazardous Air Pollutants (HAPS): This product does not contain EPA hazardous air pollutants above 0.1%

EPA TSCA: All of the components of this product are listed on the TSCA inventory.

California Proposition 65: This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity.

Section 16. Other Information

Date of current SDS: December 19, 2024

Date of previous version: May 3, 2023

Revision Changes: SDS Review and update. Update to OSHA Hazcom 2024. Change to all Sections.

NFPA Ratings:	Health: 3	Fire: 0	Instability: 0
HMIS Rating:	Health: 3*	Fire: 0	Physical Hazard: 0
	*Chronic Health Hazard		

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Kimball Midwest shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.