

**SAFETY DATA SHEET****Section 1. Identification of the Product and Company**

Product Name: 80-955, 80-956, 80-957, 80-958 and 80-961 Blitz NB Degreaser

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: October 21, 2015

**Section 2. Hazards Identification****GHS Classification:**

<b>Physical:</b>	<b>Health:</b>
Not Hazardous	Skin Corrosion Category 1B 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 in a well-ventilated place. Keep cool.  
Store locked up.

**Disposal**

Dispose of contents in accordance with local,

**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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state, and federal regulations

## Section 3. Composition/Information on Ingredients

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

The exact percent is a trade secret.

## Section 4. First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 30 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 symptoms persists, get medical attention. 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:** May cause severe eye irritation or burns. Permanent damage may occur. May cause skin irritation or burns. May cause respiratory irritation. Swallowing may cause burns to the mouth, throat or stomach. May cause reproductive or developmental toxicity based on animal data.

**Indication of immediate medical attention/special treatment:** Immediate medical attention is recommended for all routes of contact.

## 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.

**Environmental hazards:** Avoid release into the environment. Notify authorities of releases as required.

**Methods and Materials for Containment and Cleaning Up:** Promptly clean up spills with inert absorbent and place in an appropriate container for disposal. Clean spill area thoroughly. Keep out of sewers and waterways.

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## Section 7. Handling and Storage

**Precautions for Safe Handling:** Prevent contact with eyes and skin. Do not breathe vapors or spray mists. Keep container closed when not in use. Use only with adequate ventilation. Wear suitable protective clothing and equipment (See Section 8).

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 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 Metasilicate	None Established
Sodium Tetraborate Pentahydrate (as inorganic borates)	2 mg/m3 TWA, 6 mg/m3 STEL ACGIH TLC (inhalable)

**Engineering Controls:** Provide general or local exhaust ventilation to minimize exposure levels and maintain exposure levels below the occupational exposure limits.

**Respiratory Protection:** For operations where the exposures are excessive or exposure limits are exceeded, an approved respirator with dust/mist cartridges 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 faceshield 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.

## Section 9. Physical and Chemical Properties

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

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

## 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.

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**Conditions to Avoid:** Avoid excessive heat. May attack plastics, rubber and coatings.

**Incompatible Materials:** Avoid strong oxidizing agents and acids.

**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:** Repeated skin contact with dilute solutions may cause dermatitis.

**Cancer:** This product does not contain any chemicals listed by NTP, OSHA, or IARC as a carcinogen or suspected carcinogen.

**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:** None of the components are germ cell mutagens.

**Toxicological Data:** Acute Toxicity Estimate (calculated) 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:

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:** Biodegradation is not applicable to inorganic substances.

**Bioaccumulative Potential:** No data currently available

**Mobility in Soil:** No data currently available.

**Other Adverse Effects:** No data available.

## Section 13. Disposal Information

Dispose in accordance with local, state and federal regulations.

## Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT		Not Regulated			
TDG		Not Regulated			
IMDG		Not Regulated			

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IATA		Not Regulated			
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## Section 15. Regulatory Information

**EPA SARA 311/312 Hazards:** Acute Health, Chronic Health

**EPA SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313:

**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 contains chemicals known to the State of California to cause cancer or reproductive toxicity.

## Section 16. Other Information

Date of SDS Revision: October 21, 2015

Revision History: Convert to OSHA GHS format. Changes in all sections.

<b>NFPA Ratings:</b>	Health: 3	Fire: 0	Instability: 0
<b>HMIS Rating:</b>	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.