

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

Product Name: 80-742, 80-745, 80-746 and 80-748 Ultra Blitz 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 Irritation Category 2<br>Eye Irritation Category 2<br>Toxic to Reproduction Category 2 |

**GHS Label Elements:****Danger!****Statements of Hazard**

Causes skin irritation.  
Causes serious eye irritation.  
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  
Wash thoroughly after handling.  
Wear protective gloves and eye protection.

**Storage**

Store locked up.

**Disposal**

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

**Response**

IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation occurs: Get medical attention.  
Take off contaminated clothing and wash it before reuse.  
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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## Section 3. Composition/Information on Ingredients

| Component                       | CAS Number | % by Weight |
|---------------------------------|------------|-------------|
| 2-Butoxyethanol                 | 111-76-2   | 1-5         |
| 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 several minutes while holding the eyelids apart. Get medical attention.

**Skin:** Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Launder clothing before re-use.

**Inhalation:** Remove victim to fresh air. If irritation or other symptoms develop, get medical attention.

**Ingestion:** Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious or drowsy person. Get medical attention.

**Most important Symptoms:** May cause eye and skin irritation. Vapors or mists cause nose, throat and upper respiratory tract irritation. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause reproductive or developmental toxicity based on animal data.

**Indication of immediate medical attention/special treatment:** Immediate medical attention is not required under normal conditions of use.

## 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, 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:** Wear suitable protective clothing to avoid skin and eye contact. Avoid breathing vapors or mists. Wash thoroughly after handling.

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

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

## Section 7. Handling and Storage

**Precautions for Safe Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling.

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**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   |
|--|---|
| 2 Butoxyethanol  | 50 ppm, skin TWA OSHA PEL<br>20 ppm TWA ACGIH TLV                       |
| Sodium Metasilicate                                    | None Established  |
| Sodium Tetraborate Pentahydrate (as inorganic borates) | 2 mg/m <sup>3</sup> TWA, 6 mg/m <sup>3</sup> 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 organic vapor 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 recommended if contact is possible.

**Skin Protection:** Chemical resistant gloves recommended to avoid skin contact. Contact your glove supplier for assistance in selecting an appropriate glove.

## Section 9. Physical and Chemical Properties

**Appearance and Odor:** Clear, blue-purple liquid and slight glycol ether 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> 1.05   | <b>Evaporation Rate:</b> slower                   |
| <b>Melting/Freezing Point:</b> Not available                          | <b>pH:</b> 9.0                                    |
| <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:** None known.

**Conditions to Avoid:** None known.

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

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

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## Section 11. Toxicological Information

**Inhalation:** Inhalation of vapor or mist may cause nose, throat and upper respiratory tract irritation with coughing and sneezing.

**Eye Contact:** May cause irritation with redness and tearing.

**Skin Contact:** May cause irritation with redness and itching of the skin.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea and vomiting.

**Chronic Effects:** None known.

**Cancer:** None of the components are listed as a carcinogen or suspected carcinogen by IARC, NTP 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:** None of the components are germ cell mutagens.

**Toxicological Data:** Acute Toxicity Estimate (calculated) Oral = 8403 mg/kg; Inhalation >20 mg/L as mist  
2-Butoxyethanol: Oral guinea pig LD50 1414 mg/kg, Inhalation rat LC50 2.4 mg/L/4 hr, Dermal rabbit LD50 >2000 mg/L

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:

2-Butoxyethanol: 96 hr LC50 Oncorhynchus mykiss 1474 mg/L; 48 hr EC50 daphnia magna 1550 mg/L; 72 hr EC50 Pseudokirchnerella subcapitata 911 mg/L

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:** 2-Butoxyethanol is readily biodegradable.

**Bioaccumulative Potential:** 2-Butoxyethanol has a BCF of 3.

**Mobility in Soil:** 2-Butoxyethanol is highly mobile in soil.

**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        |              |               |                      |
| 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:

|                 |          |      |
|-----------------|----------|------|
| 2-Butoxyethanol | 111-76-2 | 1-5% |
| (glycol ethers) |          |      |

**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 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: 2  | Fire: 0 | Instability: 0     |
| <b>HMIS Rating:</b>  | Health: 2* | 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.