1. Identification

1.1. Product identifier
Product Identity: Blitz
Alternate Names: Blitz, Butyl Degreaser/Cleaner

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use: Cleaning Agent
Application Method: See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name: Ridgway Industries, Inc.
P.O. Box 660, Darby PA 19023

Emergency
PERS-Contract# 9107
24 hour Emergency Telephone No. (800) 633-8253
Customer Service: Ridgway Industries, Inc. (800) 479-9548

2. Hazard(s) Identification

2.1. Classification of the substance or mixture
Skin Irrit. 2; H315 Causes skin irritation.
Eye Irrit. 2; H319 Causes serious eye irritation.

2.2. Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

[Warning]
H315 Causes skin irritation.
H319 Causes serious eye irritation.

[Prevention]:
P264 Wash thoroughly after handling.
P280 Wear protective gloves / eye protection / face protection.

[Response]:
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
P321 Specific treatment (see information on this label).  
P332+313 If skin irritation occurs: Get medical advice / attention.  
P337+313 If eye irritation persists: Get medical advice / attention.  
P362 Take off contaminated clothing and wash before reuse.  

Storage:  
No GHS storage statements  

Disposal:  
No GHS disposal statements  

3. Composition/information on ingredients  

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.  

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>1.0 - 10</td>
<td>Acute Tox. 4;H332</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0000111-76-2</td>
<td></td>
<td>Acute Tox. 4;H312</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute Tox. 4;H302</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Eye Irrit. 2;H319</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin Irrit. 2;H315</td>
<td></td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1.0 - 10</td>
<td>Skin Corr. 1A;H314</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0001310-73-2</td>
<td></td>
<td>Acute Tox. 4;H312</td>
<td></td>
</tr>
<tr>
<td>Nonylphenol polyethylene glycol ether</td>
<td>1.0 - 10</td>
<td>Eye Dam. 1;H318</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0127087-87-0</td>
<td></td>
<td>Acute Tox. 4;H302</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin Irrit. 2;H315</td>
<td></td>
</tr>
<tr>
<td>Sodium phosphate, tribasic (CAS 10101-89-0)</td>
<td>1.0 - 10</td>
<td>Skin Irrit. 2;H315</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0010101-89-0</td>
<td></td>
<td>Eye Irrit. 2;H319</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STOT SE 3;H335</td>
<td></td>
</tr>
<tr>
<td>Tetrasodium EDTA</td>
<td>1.0 - 10</td>
<td>Acute Tox. 4;H302</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0000064-02-8</td>
<td></td>
<td>Eye Dam. 1;H318</td>
<td></td>
</tr>
</tbody>
</table>

[1] Substance classified with a health or environmental hazard.  
*The full texts of the phrases are shown in Section 16.  

4. First aid measures  

4.1. Description of first aid measures  

General  
In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.  

Inhalation  
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.  

Eyes  
Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion
If swallowed obtain immediate medical attention. Keep at rest. Drink large quantities of water. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed
Overview
See section 2 for further details.
Inhalation
Vapors and mists may be irritating to mucous membranes in the nose, throat and lungs.
Ingestion
Irritating to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea. Excessive amounts may cause collapse.
Eyes
Causes serious eye irritation. Liquid and mists will cause tearing, redness, burning sensation.
Skin
Causes skin irritation. Prolong or repeated contact may cause redness, dermatitis.

5. Fire-fighting measures

5.1. Extinguishing media
Use extinguishing media appropriate for surrounding area.

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition: Alkaline vapors in a fire.

5.3. Advice for fire-fighters
None
ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up
Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.

Waste disposal method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.
7. Handling and storage

7.1. Precautions for safe handling
See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities
Handle containers carefully to prevent damage and spillage.
Keep container closed during storage.
See section 2 for further details. - [Storage]:

7.3. Specific end use(s)
Keep out of reach of children. For institutional and industrial use only.

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000064-02-8</td>
<td>Tetrasodium EDTA</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0000111-76-2</td>
<td>Ethylene glycol monobutyl ether</td>
<td>OSHA</td>
<td>TWA 50 ppm (240 mg/m3) [skin]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 20 ppm Revised 2003,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>TWA 5 ppm (24 mg/m3) [skin]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0001310-73-2</td>
<td>Sodium hydroxide</td>
<td>OSHA</td>
<td>TWA 2 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>Ceiling: 2 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>C 2 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0010101-89-0</td>
<td>Sodium phosphate, tribasic (CAS 10101-89-0)</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0127087-87-0</td>
<td>Nonylphenol polyethylene glycol ether</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

**Respiratory** Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

**Eyes** Safety glasses or chemical splash goggles.

**Skin** Wear protective rubber footwear when using on floor. Wear protective outerwear when danger of mist contact may occur. Chemical resistant rubber or neoprene.

**Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

| **Appearance** | Thin Purple Liquid |
| **Odor** | Characteristic |
| **Odor threshold** | Not Measured |
| **pH** | 12.0-13.0 |
| **Melting point / freezing point** | Not Measured |
| **Initial boiling point and boiling range** | 212 F |
| **Flash Point** | Not Measured |
Evaporation rate (Ether = 1) < 1
Flammability (solid, gas) Not Applicable
Upper/lower flammability or explosive limits Lower Explosive Limit: Not Measured
Upper Explosive Limit: Not Measured
Vapor pressure (Pa) 20 mmHg @ 68 F
Vapor Density > 1
Specific Gravity 1.048
Solubility in Water Complete
Partition coefficient n-octanol/water (Log Kow) Not Measured
Auto-ignition temperature Not Measured
Decomposition temperature Not Measured
Viscosity (cSt) Not Measured
% Volatile 85+
VOC Content 2.93% (wt/wt), 0.26 lbs/gal, 30.7 grams/liter
9.2. Other information
No other relevant information.

10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
Do not mix with alkalis.

10.5. Incompatible materials

10.6. Hazardous decomposition products
Alkaline vapors in a fire.

11. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LD50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LD50, mg/L/4hr</th>
<th>Inhalation Gas LD50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol monobutyl ether - (111-76-2)</td>
<td>1,414.00, Guinea Pig - Category: 4</td>
<td>1,200.00, Guinea Pig - Category: 4</td>
<td>173.00, Guinea Pig - Category: NA</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Sodium hydroxide - (1310-73-2) | 6,600.00, Mouse - Category: NA | 1,350.00, Rabbit - Category: NA | 600.00, Mouse - Category: NA | No data available | No data available
Nonylphenol polyethylene glycol ether - (127087-87-0) | No data available | No data available | No data available | No data available | No data available
Sodium phosphate, tribasic (CAS 10101-89-0) - (10101-89-0) | No data available | No data available | No data available | No data available | No data available
Tetrasodium EDTA - (64-02-8) | 1,000.00, Rat - Category: 4 | No data available | No data available | No data available | No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

12. Ecological information

12.1. Toxicity
The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol monobutyl ether - (111-76-2)</td>
<td>220.00, Fish (Piscis)</td>
<td>1,000.00, Daphnia magna</td>
<td>Not Available</td>
</tr>
<tr>
<td>Sodium hydroxide - (1310-73-2)</td>
<td>196.00, Poecilia reticulata</td>
<td>40.38, Ceriodaphnia dubia</td>
<td>Not Available</td>
</tr>
<tr>
<td>Nonylphenol polyethylene glycol ether - (127087-87-0)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
12.2. Persistence and degradability
There is no data available on the preparation itself.

12.3. Bioaccumulative potential
Not Measured

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available.

13. Disposal considerations

13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

- DOT (Domestic Surface Transportation)
  - 14.1. UN number: Not Applicable
  - 14.2. UN proper shipping name: Not Regulated
  - 14.3. Transport hazard class(es): DOT Hazard Class: Not Applicable

- IMO / IMDG (Ocean Transportation)
  - 14.4. Packing group: Not Applicable
  - 14.5. Environmental hazards: IMDG: Marine Pollutant: No

- ICAO/IATA
  - 14.6. Special precautions for user: No further information
15. Regulatory information

Regulatory Overview
The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA)
All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification
D2B E

US EPA Tier II Hazards
- Fire: No
- Sudden Release of Pressure: No
- Reactive: No
- Immediate (Acute): Yes
- Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs (lbs):
- Sodium hydroxide (1,000.00)
- Sodium phosphate, tribasic (CAS 10101-89-0) (5,000.00)

EPCRA 302 Extremely Hazardous:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:
- Ethylene glycol monobutyl ether

Proposition 65 - Carcinogens (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):
- Ethylene glycol monobutyl ether
- Sodium hydroxide

Pennsylvania RTK Substances (>1%):
- Ethylene glycol monobutyl ether
- Sodium hydroxide
- Sodium phosphate, tribasic (CAS 10101-89-0)
16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product.

End of Document