



## SAFETY DATA SHEET

### Section 1: Chemical Product and Company Identification

**Product name:** Ruff & Tuff  
**Product Code:** 3486  
**Chemical Use:** Industrial Degreaser

**Date Prepared:** 4/15/15  
**Supersedes:** New

**Restrictions on use:** Use in accordance with all Federal, State and local regulations.

**Company Identification:** Streamline Supply Inc.  
460 N. 1000 W.  
Centerville, Utah 84014

**Manufactured by:** Streamline Supply Inc.  
460 N. 1000 W.  
Centerville, Utah 84014

**Emergency Telephone Numbers:** For Transportation Emergency: PERS (800) 633-8253  
For Medical Emergency: PERS (800) 633-8253 or (877) 350-5426  
For SDS or other information: (877) 350-5426 or (801) 294-2980  
Email: [info@streamlinesupply.com](mailto:info@streamlinesupply.com)  
Fax: (801) 294-2626

### Section 2: Hazard(s) Identification

**GHS Classification:** **Skin Corrosion:** Category 1A  
**Serious Eye Damage/Eye Irritation:** Category 1

#### GHS Label element

**Hazard pictograms:**



**Signal Word:** DANGER

**Hazard Statements:** H314 Causes severe skin burns and eye damage.

#### PRECAUTIONARY STATEMENTS:

**Prevention:** P264 Wash exposed skin thoroughly after handling.  
P280 Wear protective gloves, protective clothing, face and eye protection.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN: Remove/ Take off immediately all contaminate clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

**Section 2: Hazard(s) Identification (continued)****Response (continued):**

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/physician.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container in accordance with local regulations.

**Section 3: Composition/Information on Ingredients**

CHEMICAL NAME	CAS NUMBER	% BY WEIGHT
Butoxyethanol; Butyl Cellosolve; 2-butoxyethanol	111-76-2	1-10%
Benzenesulfonic Acid, C10-16 Alkyl Derivatives	68584-22-5	1-5%
Disodium Metasilicate	6834-92-0	1-3%
Triphosphoric Acid, sodium salt	7758-29-4	1-3%
Sodium phosphate tribasic dodecahydrate	10101-89-0	1-3%

Trace components: Trace ingredients (if any) are present in < 1% concentration, (<0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

**SEE SECTION 8, 11 AND 12 FOR TOXICOLOGICAL INFORMATION.**

**Section 4: First Aid Measures****First Aid Procedures:**

**General Advice:** Move out of danger area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave a victim unattended.

**EYE CONTACT:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing eyes during transport to hospital. Immediately call a doctor or ophthalmologist.

**IF ON SKIN:** Wash with plenty of water. Take off contaminated clothing and shoes. Wash these before reuse. If skin irritation occurs get medical attention.

**INHALATION:** Moved exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms persist.

**INGESTION:** Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth. If vomiting occurs, the head should be kept low so vomit does not enter the lungs. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in Section 2 and/or section 11.

**Indication of any immediate medical attention and special treatment needed.**

No data available.

**Section 5: Fire-Fighting Measures**

**Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

**Specific hazards arising from chemical:** Do Not allow run-off from fire-fighting to enter drains or water courses.

**Section 5: Fire-Fighting Measures (continued)**

**Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Smoke  
Sulphur oxides

**Special protective action for fire-fighters:** As in any fire, always wear self-contained breathing apparatus in pressure-demand (MSA/NIOSH approved or equivalent), and full protective gear. Use water spray or fog to cool exposed containers.

**Specific Explosion Hazards:** If in fire or heated, a pressure increase will occur and the container may burst.

**Further Information:** Standard procedure for chemical fire.

**Section 6: Accidental Release Measures****Steps to Take in Case Material Is Released or Spilled:****Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Evacuate unnecessary personnel. Always use proper personal protective equipment as described in section 8. Avoid run-off into storm sewers and ditches that lead to waterways. Use inert material such as clay or diatomaceous earth to contain spill. Use these products to soak up material or mop or vacuum up spill and rinse with water.

**For emergency responders:**

Wear proper protection during cleanup. PVC, nitrile or rubber. Ventilate area.

Avoid run-off into storm sewers and ditches that lead to waterways. Use inert material such as clay or diatomaceous earth to contain spill. Neutralize with acid.

Contain spilled material for disposal according to Federal, State, and local regulations.

**Section 7: Handling and Storage**

**Precautions:** Always use proper personal protective equipment as described in section 8. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Remove contaminated clothing and wash before reuse. Do not ingest. Use with adequate ventilation. Avoid breathing vapor or mist. Do not reuse container. Observe label precautions and direction for use.

**Storage:** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Store away from strong acids and oxidizing materials. Keep away from food and drinks. Store between 40° F- 120° F. Keep out of reach of children and pets. Keep in a tightly closed container.

**Section 8: Exposure Controls/Personal Protection****Exposure Limits****Component workplace control parameters**

<b>Product Name:</b> Butoxyethanol; Butyl Cellosolve; 2-butoxyethanol <b>OSHA PEL 1989 (United States 3/1989) Absorbed through skin.</b> <b>TWA:</b> 25 ppm 8 hour(s). <b>NOISH REL (United States 6/2009) Absorbed through skin.</b> <b>TWA:</b> 5 ppm 10 hour(s) <b>ACGIH TLV (United States 2/2010)</b> <b>TWA:</b> 20 ppm 8 hour(s) <b>OSHA PEL ((United States 6/2010) Absorbed through skin.</b> <b>TWA:</b> 50 ppm 8 hour(s)	<b>CAS #:</b> 111-76-2
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**Section 8: Exposure Controls/Personal Protection (continued)****Exposure Limits****Component workplace control parameters (continued)**

**Product Name:** Benzenesulfonic Acid, C10-16 Alkyl Derivatives  
No occupational exposure limit values known

**CAS #:** 68584-22-5

**Product Name:** Disodium Metasilicate  
No occupational exposure limit values known

**CAS #:** 6834-92-0

**Product Name:** Triphosphoric Acid, sodium salt  
No occupational exposure limit values known

**CAS #:** 7758-29-4

**Product Name:** Triphosphoric Acid, sodium salt  
No occupational exposure limit values known

**CAS #:** 7758-29-4

**Product Name:** Sodium phosphate tribasic dodecahydrate  
No occupational exposure limit values known

**CAS#:** 10101-89-0

**Engineering Controls**

**Engineering Measures:** Facilities storing or using the material should be equipped with eyewash station. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Individual Protection**

**Personal Protective Equipment (PPE):** Wear protective chemical goggles or appropriate eye protection. Use appropriate protective gloves and protective clothing to prevent skin exposure. The suitability for a specific workplace should be discussed with the producers of the protective gloves and clothing.

**Respiratory Protection:** A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever possible. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**Section 9: Physical Data**

**Appearance:** clear liquid/dark green

**Odor:** Mild

**Odor Threshold:** No data available

**pH:** 12.5 -13.5

**Melting/freezing Point:** No data available

**Boiling Point:** No data available

**Boiling Range:** No data available

**Flash Point:** Does not flash

**Evaporation Rate:** 1

**Upper /lower flammability or**

**Explosive Limits:** No data available

**Vapor Pressure:** No data available

**Section 9: Physical Data (continued)**

**Vapor Density (Air =1):** No data available  
**Relative density:** 1.1  
**Weight/gallon:** 9.5 lbs.  
**Solubility in Water:** Soluble in water  
**Partition coefficient**  
**n-octanol/water):** No data available  
**Auto-ignition Temperature:** No data available  
**Decomposition Temperature:** No data available  
**Viscosity:** No data available  
**Viscosity, kinematic:** No data available

**Section 10: Stability and Reactivity**

**Reactivity:** No additional information available.

**Stability:** Stable under normal temperatures and pressures.

**Section 10: Stability and Reactivity (continued)**

**Conditions to Avoid:** Extreme high or low temperatures.

**Incompatibility With Various Substances:** Strong oxidizing agents and acids.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

**Section 11: Toxicological Information****Acute Toxicity:****Product**

**Acute oral toxicity:** Acute toxicity estimate: >5000 mg/kg  
Method: Calculation method

**Acute dermal toxicity:** Acute toxicity estimate: >5000 mg/kg  
Method: Calculation method

**Acute inhalation toxicity:** Acute toxicity estimate: >20000 ppm  
Method: Calculation method

**Product components:**

**Product Name:** Butoxyethanol; Butyl Cellosolve; 2-butoxyethanol

**CAS #:** 111-76-2

**Acute toxicity:**

LD50 Oral - Rat - 470 mg/kg

LC50 Inhalation - Rat - 4 h - 450 ppm

Remarks: Behavioral: Ataxia. Nutritional and Gross Metabolic: Weight loss or decreased weight gain.

Dermal: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

LD50 Intraperitoneal - Rat - 220 mg/kg

LD50 Intravenous - Rat - 307 mg/kg

**Skin corrosion/irritation:** Skin - Rabbit

Result: Open irritation test

**Serious eye damage/eye irritation:** Eyes - Rabbit

Result: Moderate eye irritation - 24 h

(continued on next page)

**Section 11: Toxicological Information (continued)****Product Name:** Butoxyethanol; Butyl Cellosolve; 2-butoxyethanol**CAS #:** 111-76-2**(continued)****Respiratory or skin sensitization:** No data available**Germ cell mutagenicity:** No data available**Carcinogenicity:**

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Butoxyethanol)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

**Specific target organ toxicity - single exposure:** No data available**Specific target organ toxicity - repeated exposure:** No data available**Aspiration hazard:** No data available**Product Name:** Disodium Metasilicate**CAS #:** 6834-92-0**Acute toxicity**

LD50 Oral - rat - male and female - 1,152 - 1,349 mg/kg

**Product****Skin corrosion/irritation:**

Remarks: Corrosive and destructive to tissue.

**Serious eye damage/eye irritation:**

Remarks: May cause irreversible eye damage.

**Respiratory or skin sensitization:** No data available**Germ cell mutagenicity:** No data available**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available**Specific target organ toxicity - single exposure:** No data available**Specific target organ toxicity - repeated exposure:** No data available**Aspiration hazard:** No data available**Further information:** No data available

**Section 12: Ecological Information****Ecotoxicity**

No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential**

Partition coefficient: N-octanol/water: No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

**Product components**

**Product Name:** Butoxyethanol; Butyl Cellosolve; 2-butoxyethanol

**CAS #:** 111-76-2

**Toxicity**

Toxicity to fish LC50 - other fish - 220 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - 1,815 mg/l - 24 h

**Persistence and degradability**

Ratio BOD/ThBOD 88 %

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

**Product**

**Additional ecological information:** No data available

**Section 13: Disposal Information****Disposal Considerations:**

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of this product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions found in 40 CFR 261.3. Dispose of container and unused contents in accordance with federal, state and local requirements.

**Section 14: Transportation Information**

**Ground – DOT (US) Proper Shipping Name:** Detergent Solution

**Hazard Class:** Non- Hazardous

**U.N. Number:** Not required

**Section 15: Regulatory Information****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**Section 15: Regulatory Information (continued)****SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards:** Acute Health Hazards

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:** This product does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**The components of this product are reported in the following inventories:**

<b>TSCA</b>	On TSCA inventory
<b>DSL</b>	All components of this product are on the Canadian DSL.
<b>AICS</b>	On the inventory, or in compliance with the inventory
<b>NZIoC</b>	On the inventory, or in compliance with the inventory
<b>PICCS</b>	On the inventory, or in compliance with the inventory
<b>IECSC</b>	On the inventory, or in compliance with the inventory

**Section 16: Other Information****Hazardous Materials Identification System (HMIS)**

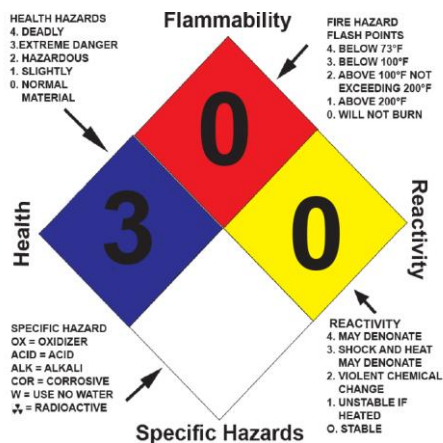
**NOTE:** HMIS ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. These ratings are based on the inherent properties of this chemical under expected conditions of normal use and are not intended to be used in emergency situations. PPE is determined by the user based on their needs and conditions.

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>D</b>



**Section 16: Other Information (continued)****National Fire Protective Association (NFPA)**

**NOTE:** NFPA ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. They are for use by emergency personnel to address the hazards that are presented by short term, acute exposure to this product under fire, spill, or similar emergencies. Ratings involve data and interpretations that may vary from company to company.

**OVERVIEW**

This information was compiled from current manufacturer's SDS's of the component parts of the product.

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