



# Safety Data Sheet

Issue Date: 05-Aug-2009

Revision Date: 16-Aug-2013

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Ultra Premium Pot and Pan Detergent

### Other means of identification

**SDS #** BDS-029

### Recommended use of the chemical and restrictions on use

**Recommended Use** Liquid dishwashing detergent.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Bi-State Detergent Systems, Inc  
3207 Bear Tooth Court  
Bettendorf, IA 52722

### Emergency Telephone Number

**Company Phone Number** 1-563-355-6269 (Phone)  
1-563-355-6607 (Fax)  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Blue liquid

**Physical State** Liquid

**Odor** Characteristic soap odor

### Classification

|                                   |            |
|-----------------------------------|------------|
| Skin corrosion/irritation         | Category 2 |
| Serious eye damage/eye irritation | Category 2 |

### Signal Word

**Warning**

### Hazard Statements

Causes skin irritation  
Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash it before reuse

**Other Hazards**

Toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name          | CAS No      | Weight-% |
|------------------------|-------------|----------|
| Proprietary Detergent  | Proprietary | 5-10     |
| Proprietary Surfactant | Proprietary | 1-5      |
| Proprietary Solvent    | Proprietary | 1-5      |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST-AID MEASURES****First Aid Measures**

|                       |   |
|-----------------------|---|
| <b>General Advice</b> | If exposed or concerned: Get medical advice/attention.  |
| <b>Eye Contact</b>    | 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.  |
| <b>Skin Contact</b>   | IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse. DO NOT attempt to neutralize with chemical agents. |
| <b>Inhalation</b>     | Remove to fresh air. If conscious and alert, wash mouth and nasal passages with water repeatedly. If breathing becomes difficult, call a physician.   |
| <b>Ingestion</b>      | Drink plenty of water or milk immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention immediately.   |

**Most important symptoms and effects**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | May cause severe eye irritation and pain associated with redness and swelling of the conjunctiva. Prolonged skin contact may cause moderate reddening, swelling and possible necrosis. Ingestion may cause nausea, vomiting and abdominal pain. Moderately toxic. May result in red blood cell hemolysis. |
|-----------------|---|

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**Carbon dioxide (CO<sub>2</sub>). Water. Water spray (fog). Dry chemical. Chemical foam.**Unsuitable Extinguishing Media** Not determined.**Specific Hazards Arising from the Chemical**

Non-flammable.

**Hazardous Combustion Products** Products of combustion include compounds of carbon, hydrogen, and oxygen, including carbon monoxide. Acrid smoke and fumes emitted if heated to decomposition.**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water may be used to cool containers to prevent pressure build up. Floors may become slippery if material is released. Caution-material is alkaline.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Use personal protective equipment as required. Caution-material is alkaline.

**Environmental Precautions**

See Section 12 for additional Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

**Methods and material for containment and cleaning up****Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up**

Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding. Large spills-confine spill, soak up with approved absorbent, and shovel product into approved container for disposal. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424-8802; refer to 40 CFR 302 for detailed instructions concerning reporting requirements.

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash face, hands, and any exposed skin thoroughly after handling.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect container from physical damage. Protect from extreme temperatures. Keep locked up and out of reach of children.

**Incompatible Materials**

Strong oxidizers. Strong acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name         | ACGIH TLV                     | OSHA PEL  | NIOSH IDLH  |
|-----------------------|-------------------------------|---|---|
| Proprietary Detergent | Ceiling: 2 mg/m <sup>3</sup>  | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup>  | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup>  |
| Proprietary Solvent   | STEL: 400 ppm<br>TWA: 200 ppm | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup> | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup> |

### Appropriate engineering controls

#### Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Local exhaust ventilation recommended. Use corrosion-resistant ventilation equipment. Eyewash stations. Showers.

### Individual protection measures, such as personal protective equipment

#### Eye/Face Protection

Chemical anti-splash safety goggles.

#### Skin and Body Protection

Neoprene, butyl or nitrile rubber gloves with cuffs. Coveralls, apron or other equipment should be worn to minimize skin contact.

#### Respiratory Protection

No respiratory protection is necessary during normal use conditions. In the case of insufficient ventilation or if exposure limits are exceeded, use a suitable NIOSH/MSHA respiratory device.

#### General Hygiene Considerations

Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                              |                       |                         |                          |
|------------------------------|-----------------------|-------------------------|--------------------------|
| Physical State               | Liquid                | Odor                    | Characteristic soap odor |
| Appearance                   | Blue liquid           | Odor Threshold          | Not determined           |
| Color                        | Blue                  |                         |                          |
| <b>Property</b>              | <b>Values</b>         | <b>Remarks • Method</b> |                          |
| pH                           | 8.5-9.0               |                         |                          |
| Melting Point/Freezing Point | 0 °C / 32 °F          |                         |                          |
| Boiling Point/Boiling Range  | 100 °C 212 °F         |                         |                          |
| Flash Point                  | Non-flammable         |                         |                          |
| Evaporation Rate             | > 1                   | (Water = 1)             |                          |
| Flammability (Solid, Gas)    | Liquid-not applicable |                         |                          |
| Upper Flammability Limits    | Not applicable        |                         |                          |
| Lower Flammability Limit     | Not applicable        |                         |                          |
| Vapor Pressure               | 17 mmHg               | @ 20 C                  |                          |
| Vapor Density                | >1                    | (Air=1)                 |                          |
| Specific Gravity             | 1.028                 | (1=Water)               |                          |
| Water Solubility             | Completely soluble    |                         |                          |
| Solubility in other solvents | Not determined        |                         |                          |
| Partition Coefficient        | Not determined        |                         |                          |
| Auto-ignition Temperature    | Not determined        |                         |                          |
| Decomposition Temperature    | Not determined        |                         |                          |
| Kinematic Viscosity          | Not determined        |                         |                          |
| Dynamic Viscosity            | Like that of water    |                         |                          |
| Explosive Properties         | None known            |                         |                          |
| Oxidizing Properties         | Not determined        |                         |                          |
| VOC Content                  | None                  |                         |                          |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Extreme temperatures.

### Incompatible Materials

Strong oxidizers. Strong acids.

### Hazardous Decomposition Products

Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

##### **Eye Contact**

Causes serious eye irritation.

##### **Skin Contact**

Causes skin irritation.

##### **Inhalation**

Avoid breathing vapors or mists.

##### **Ingestion**

Do not taste or swallow.

### Component Information

| Chemical Name          | Oral LD50            | Dermal LD50                                    | Inhalation LC50         |
|------------------------|----------------------|--|-------------------------|
| Proprietary Detergent  | = 438 mg/kg ( Rat )  | -  | -                       |
| Proprietary Surfactant | = 4900 mg/kg ( Rat ) | -  | -                       |
| Proprietary Detergent  | -                    | = 1350 mg/kg ( Rabbit )                        | -                       |
| Proprietary Solvent    | = 4396 mg/kg ( Rat ) | = 12800 mg/kg ( Rat ) = 12870 mg/kg ( Rabbit ) | = 72.6 mg/L ( Rat ) 4 h |

### Information on physical, chemical and toxicological effects

#### **Symptoms**

Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity**

Isopropyl Alcohol (IPA) is listed as an IARC Monograph Group 3 chemical. However, IARC Group 3 chemicals are "not classifiable as human carcinogens". IPA is classified as an IARC Group 1 chemical ONLY when manufactured by the strong-acid process. The IPA used in this product is NOT manufactured by the strong-acid process and is therefore not classifiable as a human carcinogen.

| Chemical Name       | ACGIH | IARC    | NTP | OSHA |
|---------------------|-------|---------|-----|------|
| Proprietary Solvent |       | Group 3 |     | X    |

*IARC (International Agency for Research on Cancer)*

*Group 3 IARC components are "not classifiable as human carcinogens"*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Component Information**

| Chemical Name          | Algae/aquatic plants  | Fish  | Toxicity to microorganisms | Crustacea                           |
|------------------------|---|---|----------------------------|-------------------------------------|
| Proprietary Detergent  |   | 10.8: 96 h Oncorhynchus mykiss mg/L LC50 static   |                            |                                     |
| Proprietary Surfactant | 1.0 - 10.0: 72 h<br>Desmodesmus subspicatus mg/L EC50 0.55: 96 h<br>Desmodesmus subspicatus mg/L EC50 | 1.0 - 10.0: 96 h Brachydanio rerio mg/L LC50 2: 96 h<br>Brachydanio rerio mg/L LC50 semi-static   |                            | 6.5: 48 h Daphnia magna mg/L EC50   |
| Proprietary Detergent  |   | 45.4: 96 h Oncorhynchus mykiss mg/L LC50 static   |                            |                                     |
| Proprietary Solvent    | 1000: 96 h Desmodesmus subspicatus mg/L EC50<br>1000: 72 h Desmodesmus subspicatus mg/L EC50          | 9640: 96 h Pimephales promelas mg/L LC50<br>flow-through 11130: 96 h<br>Pimephales promelas mg/L LC50 static 1400000: 96 h<br>Lepomis macrochirus µg/L LC50 |                            | 13299: 48 h Daphnia magna mg/L EC50 |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

| Chemical Name       | Partition Coefficient |
|---------------------|-----------------------|
| Proprietary Solvent | 0.05                  |

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

|                               |   |
|-------------------------------|---|
| <b>Disposal of Wastes</b>     | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| <b>Contaminated Packaging</b> | Disposal should be in accordance with applicable regional, national and local laws and regulations. |

#### California Hazardous Waste Status

| Chemical Name       | California Hazardous Waste Status |
|---------------------|-----------------------------------|
| Proprietary Solvent | Toxic<br>Ignitable                |

### 14. TRANSPORT INFORMATION

|                  |   |
|------------------|---|
| <b>Note</b>      | Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. None of the ingredients in this mixture are classified as a Marine Pollutant. |
| <b>DOT</b>       | Not regulated   |
| <b>IATA</b>      | Not regulated   |
| <b>IMDG</b>      |   |
| Marine Pollutant | This material may meet the definition of a marine pollutant   |

### 15. REGULATORY INFORMATION

#### International Inventories

|               |   |
|---------------|---|
| <b>TSCA</b>   | All ingredients are listed or exempt from listing on Chemical Substance Inventory |
| <b>DSL</b>    | Listed  |
| <b>NDSL</b>   | Listed  |
| <b>EINECS</b> | Listed  |

#### **Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

#### US Federal Regulations

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name         | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|-----------------------|--------------------------|----------------|---|
| Proprietary Detergent | 1000 lb                  |                | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name         | CAS No | Weight-% | SARA 313 - Threshold Values % |
|-----------------------|--------|----------|-------------------------------|
| Proprietary Solvent - |        | 1-5      | 1.0                           |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Component                         | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Proprietary Detergent<br>( 5-10 ) | 1000 lb                     |                        |                           | X                          |

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name         | New Jersey | Massachusetts | Pennsylvania |
|-----------------------|------------|---------------|--------------|
| Proprietary Detergent | X          | X             | X            |
| Proprietary Detergent | X          | X             | X            |
| Proprietary Solvent   | X          | X             | X            |



**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards****HMIS****Health Hazards****Flammability****Physical Hazards****Personal Protection**Not determined  
1Not determined  
0Not determined  
0Not determined  
C

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**Revision Note:** New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**