

# SAFETY DATA SHEET

## Ultra Sour

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Printed: 05/23/2015

Revision: 05/04/2015

Supersedes Revision: 04/28/2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** BRA/B-SR  
**Product Name:** Ultra Sour  
**Company Name:** Brady Industries, LLC  
7055 Lindell Road  
Las Vegas, NV 89118  
**Phone Number:** +1 (702)876-3990  
**Web site address:** www.shepardbros.com  
**Emergency Contact:** CHEMTREC +1 (800)424-9300  
**Product Category:** Sour

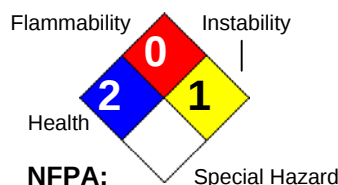
### 2. HAZARDS IDENTIFICATION

Skin Corrosion/Irritation, Category 1B



**GHS Signal Word:** Danger  
**GHS Hazard Phrases:** H314 - Causes severe skin burns and eye damage.  
**GHS Precaution Phrases:** P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
**GHS Response Phrases:** P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 - Immediately call a POISON CENTER or doctor/physician.  
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P363 - Wash contaminated clothing before reuse.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**GHS Storage and Disposal Phrases:** P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.

**Hazard Rating System:**



**Potential Health Effects (Acute and Chronic):**

**Inhalation:** Aerosols and mists may severely damage contacted tissue and produce scarring. Exposure to high concentrations may cause pulmonary edema and pneumonia.  
**Skin Contact:** Direct contact may result in redness, swelling, burns, and severe skin damage.  
**Eye Contact:** May cause severe eye irritation. Can cause chemical burn. May cause eye damage.  
**Ingestion:** Harmful if swallowed. May cause harmful to fatal chemical burns of the mouth, throat, esophagus, and stomach.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS #     | Hazardous Components (Chemical Name) | Concentration |
|-----------|--------------------------------------|---------------|
| 7664-38-2 | Phosphoric acid                      | 15.0 - 20.0 % |

### 4. FIRST AID MEASURES

#### Emergency and First Aid

##### Procedures:

|                                 |                                                                                                                                                                                                                                                                              |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>In Case of Inhalation:</b>   | Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical attention immediately.              |
| <b>In Case of Skin Contact:</b> | Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical attention if irritation persists.                         |
| <b>In Case of Eye Contact:</b>  | Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical attention if irritation persists. |
| <b>In Case of Ingestion:</b>    | Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical attention immediately.                                                                                |
| <b>Note to Physician:</b>       | Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.                                                                                                                                                                             |

### 5. FIRE FIGHTING MEASURES

|                                          |                                                                                                                                                                                                                                                                                 |                             |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Flash Pt:</b>                         | NA                                                                                                                                                                                                                                                                              | Method Used: Not Applicable |
| <b>Explosive Limits:</b>                 | LEL: No data.                                                                                                                                                                                                                                                                   | UEL: No data.               |
| <b>Autoignition Pt:</b>                  | NA                                                                                                                                                                                                                                                                              |                             |
| <b>Suitable Extinguishing Media:</b>     | Foam, CO2, water fog, sand/earth.                                                                                                                                                                                                                                               |                             |
| <b>Fire Fighting Instructions:</b>       | As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.                                                                                                                                    |                             |
| <b>Flammable Properties and Hazards:</b> | High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: sulfur, phosphorus, Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas. |                             |

### 6. ACCIDENTAL RELEASE MEASURES

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protective Precautions, Protective Equipment and Emergency Procedures:</b> | Use proper personal protective equipment as indicated in Section 8.                                                                                                                                                                                                                                                                                                                                            |
| <b>Environmental Precautions:</b>                                             | Do not let product enter drains, sewers, watersheds or water systems.                                                                                                                                                                                                                                                                                                                                          |
| <b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>             | Spills/Leaks: Provide ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal. Neutralize with sodium carbonate or sodium bicarbonate. |

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### 7. HANDLING AND STORAGE

|                                             |                                                                                                                                                                                                                                                                      |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions To Be Taken in Handling:</b> | Use as directed. Use with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.                                                     |
| <b>Precautions To Be Taken in Storing:</b>  | Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight. Keep away from heat, sparks and flame. Store in a tightly closed container. Keep container closed when not in use. Protect containers against damage. |
| <b>Other Precautions:</b>                   | Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.                                                                                                                                                               |

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| CAS #                                           | Partial Chemical Name                                                                                                                                                                                                                                                              | OSHA TWA     | ACGIH TWA                     | Other Limits |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------|--------------|
| 7664-38-2                                       | Phosphoric acid                                                                                                                                                                                                                                                                    | PEL: 1 mg/m3 | TLV: 1 mg/m3<br>STEL: 3 mg/m3 | No data.     |
| <b>Respiratory Equipment (Specify Type):</b>    | Avoid breathing vapors and mists. If ventilation is not sufficient to effectively prevent buildup of vapors or mists and the exposure limit is exceeded, use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with organic vapor cartridges. |              |                               |              |
| <b>Eye Protection:</b>                          | Wear chemical splash goggles and a full-face shield where there is potential for eye contact.                                                                                                                                                                                      |              |                               |              |
| <b>Protective Gloves:</b>                       | Wear appropriate protective gloves to prevent skin exposure. Acid resistant gloves. Neoprene gloves. nitrile gloves.                                                                                                                                                               |              |                               |              |
| <b>Other Protective Clothing:</b>               | Wear appropriate protective clothing to prevent skin exposure. Chemical resistant apron. Acid resistant boots.                                                                                                                                                                     |              |                               |              |
| <b>Engineering Controls (Ventilation etc.):</b> | Ensure adequate ventilation. Local exhaust is suggested for use in enclosed or confined areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.                                                                      |              |                               |              |
| <b>Work/Hygienic/Maintenance Practices:</b>     | Handle in accordance with good industrial hygiene and safety practice.                                                                                                                                                                                                             |              |                               |              |

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                               |                                                          |              |                |
|-------------------------------|----------------------------------------------------------|--------------|----------------|
| Physical States:              | [ ] Gas                                                  | [ X ] Liquid | [ ] Solid      |
| Appearance and Odor:          | Appearance: Clear. colorless. Liquid.<br>Odor: Odorless. |              |                |
| Melting Point:                | < 32.0 F (0 C)                                           |              |                |
| Boiling Point:                | > 212 F (100 C)                                          |              |                |
| Decomposition Temperature:    | NA                                                       |              |                |
| Autoignition Pt:              | NA                                                       |              |                |
| Flash Pt:                     | NA                                                       | Method Used: | Not Applicable |
| Explosive Limits:             | LEL: No data.                                            |              | UEL: No data.  |
| Specific Gravity (Water = 1): | 1.077                                                    |              |                |
| Density:                      | NA                                                       |              |                |

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**Bulk density:** NA  
**Vapor Pressure (vs. Air or mm Hg):** NA  
**Vapor Density (vs. Air = 1):** NA  
**Evaporation Rate:** NA  
**Solubility in Water:** Complete  
**Saturated Vapor Concentration:** NA  
**Viscosity:** NA  
**pH:** < 2.0 - (1% Soln)  
**Percent Volatile:** NA  
**VOC / Volume:** NA  
**Particle Size:** NA  
**Heat Value:** NA  
**Corrosion Rate:** NA

### 10. STABILITY AND REACTIVITY

**Reactivity:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: sulfur, phosphorus, Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** High temperatures, Ignition sources, Incompatible materials, Direct sunlight.

**Incompatibility - Materials To Avoid:** Avoid contact with sodium tetrahydroborate. Exothermic reactions may occur with aldehydes, amines, amides, alcohols, glycols, azo-compounds, carbamates, esters, caustics, phenols, cresols, ketones, organophosphates, epoxides, explosives, combustible materials, unsaturated halides, organic peroxides and halogenated organics. Mixtures with nitromethane are explosive. Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.

**Hazardous Decomposition or Byproducts:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: sulfur, phosphorus.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** No data available.

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### 11. TOXICOLOGICAL INFORMATION

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toxicological Information:</b>         | Epidemiology: No information available.<br>Teratogenicity: No information available.<br>Reproductive Effects: No information available.<br>Mutagenicity: No information available.<br>Neurotoxicity: No information available.<br>Other Studies: CAS# 7664-38-2:<br>Acute toxicity, LD50, Oral, Rat, 1530 mg/kg<br>Acute toxicity, LD50, Skin, Rabbit, 2740 mg/kg<br>Acute toxicity, LC50, Inhalation, Rat, 850.0 mg/m3, 1 H. |
| <b>Irritation or Corrosion:</b>           | Other Studies: CAS# 7664-38-2:<br>Standard Draize Test, Eyes, Species:Rabbit, 119.0 mg.                                                                                                                                                                                                                                                                                                                                       |
| <b>Carcinogenicity/Other Information:</b> | CAS# 7664-38-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Carcinogenicity:</b>                   | NTP? No      IARC Monographs? No      OSHA Regulated? No                                                                                                                                                                                                                                                                                                                                                                      |

### 12. ECOLOGICAL INFORMATION

|                                            |                                                                                                                                                                                                                                           |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Ecological Information:</b>     | Environmental: No information available.<br>Physical: No information available.<br>Other: Do not empty into drains.<br><br>Other Studies: CAS# 7664-38-2:<br>Not reported. Rainbow Trout (Oncorhynchus mykiss), fingerling, 5.190%, 27 W. |
| <b>Results of PBT and vPvB assessment:</b> | No data available.                                                                                                                                                                                                                        |
| <b>Persistence and Degradability:</b>      | No data available.                                                                                                                                                                                                                        |
| <b>Bioaccumulative Potential:</b>          | No data available.                                                                                                                                                                                                                        |
| <b>Mobility in Soil:</b>                   | No data available.                                                                                                                                                                                                                        |

### 13. DISPOSAL CONSIDERATIONS

|                               |                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste Disposal Method:</b> | Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations. |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 14. TRANSPORT INFORMATION

#### LAND TRANSPORT (US DOT):

|                                  |                           |                       |     |
|----------------------------------|---------------------------|-----------------------|-----|
| <b>DOT Proper Shipping Name:</b> | Phosphoric acid solution. |                       |     |
| <b>DOT Hazard Class:</b>         | 8                         | CORROSIVE             |     |
| <b>UN/NA Number:</b>             | UN1805                    | <b>Packing Group:</b> | III |



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### 15. REGULATORY INFORMATION

#### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS #     | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ   | S. 313 (TRI) |
|-----------|--------------------------------------|--------------|-------------|--------------|
| 7664-38-2 | Phosphoric acid                      | No           | Yes 5000 LB | No           |

#### CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists

|           |                 |                                                                         |
|-----------|-----------------|-------------------------------------------------------------------------|
| 7664-38-2 | Phosphoric acid | TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8:<br>TAC, Title 8 |
|-----------|-----------------|-------------------------------------------------------------------------|

### 16. OTHER INFORMATION

**Revision Date:** 05/04/2015

**Preparer Name:** Crystal Maira

**Additional Information:** No data available.

**Company Policy or Disclaimer:** Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.