

MSDS  
MATERIAL SAFETY DATA  
SHEET

BRADY INDUSTRIES, INC.  
7055 LINDELL RD. LAS VEGAS, NV 89118  
24-HOUR EMERGENCY TRANSPORTATION RESPONSE  
NUMBER 209-581-9576

PRODUCT NAME: BRADY SOUR SOFT  
PRODUCT NUMBER: 1820.185  
CHEMICAL FAMILY: Laundry sour and softener

HEALTH  
FIRE 2  
REACTIVITY 0  
PPE 1  
COR

NEPA 704 DESIGNATION

SECTION I-HAZARDOUS INGREDIENTS OF MIXTURES

CAS # 7664-38-2  
CHEMICAL NAME Phosphoric Acid  
% By Wt 5-10%  
OSHA/PEL  
ACGIH/TLV 1 mg/m3  
OTHER 3 mg/m3 (STEL)  
CERCLA RQ: Listed  
SARA III: Not Listed

SECTION II-PHYSICAL DATA

Boiling Point: 218° Fahrenheit  
Vapor Density (Air=1): N/A  
% Volatiles by Volume: <50%  
Specific Gravity: <1.20  
Vapor Pressure: N/A  
Solubility in Water (% by Wt.): Complete  
Evaporation Rate: N/A  
pH of Concentrate: 1-2  
Appearance and Odor: Blue liquid with floral scent.

SECTION III-FIRE AND EXPLOSION DATA

Flash Point: N/A  
Hazardous Polymerization: Will Occur X Will Not Occur  
Flammable Limits: N/A  
Lower Explosive Limits: N/A  
Upper Explosive Limits: N/A  
Extinguishing Media: Water spray, carbon dioxide, foam, or dry chemical.  
Special Firefighting Procedures: Use self-contained breathing apparatus. When heated to decomposition it will give off hazardous gases based on oxides of nitrogen and phosphorous.  
Unusual Fire and Explosion Hazards: May combine with various metals (at decomposition) to form further flammable mixtures. This material is an oxidizer.  
Conditions to Avoid: Being an acidic product, do not store with or near chlorinated products.

Updated 3/20/08

SECTION IV-HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: (Refer to Section II)  
EFFECTS OF OVEREXPOSURE: Corrosive substance. Corrosive to tissues. Routes of exposure are eyes, skin, ingestion, and breathing heated vapors. Dust or mist can cause irritant dermatitis and respiratory distress.  
EMERGENCY AND FIRST AID PROCEDURE:  
SKIN: Immediately wash affected area thoroughly with soap and water for 15 minutes. Remove any contaminated clothing and launder before reuse.  
EYES: Flush eyes with copious amounts of water; making sure eye lids are kept open. Seek medical attention if irritation persists. Seek medical attention immediately.  
INGESTION: Have victim drink several glasses of water or milk. Do not force an unconscious person to drink anything by mouth. DO NOT INDUCE VOMITING. Contact a physician or poison control center.  
INHALATION: Respiratory irritant. Fugitive vapors containing this product may be irritating. Remove from area to fresh air.

SECTION V-REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: None known. Stable at room temperature.  
INCOMPATIBILITY: Avoid strong reducing agents and chlorine when using or storing this product.  
HAZARDOUS DECOMPOSITION: None known.

SECTION VI-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills (less than 1 gallon) may be flushed, after neutralization with soda ash, to an approved sewer line (with large amounts of water). Larger spills should be absorbed and collected for disposal, or collected with an industrial vacuum truck.  
WASTE DISPOSAL METHOD: Dispose with in accordance with all federal, state, and local regulations. Do not release the concentrate or diluted product directly into storm drains, or undedicated surface or groundwater supplies. This product is environmentally biodegradable under all conditions associated with normal use.

SECTION VII-PROTECTIVE EQUIPMENT

VENTILATION: Forced air, local exhaust, or open air is adequate.  
PERSONAL PROTECTIVE EQUIPMENT: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product.  
WORK/HYGENIC PRACTICES: Handle the concentrated product with extreme care.

SECTION VIII-REGULATORY INFORMATION

See Section I.

SECTION IX-STORAGE AND HANDLING

Do not contaminate water, food, or feed by storage or disposal. Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well ventilated area away from heat or open flame. Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION X-GENERAL PRECAUTIONS

DO NOT REUSE CONTAINER: Wash thoroughly after handling. For industrial or commercial use only. Keep away from children and animals.

JA5825, 141820; EXR-65972; JA5815