



**I - PRODUCT IDENTIFICATION AND USE** MSDS ID: 2225

**PRODUCT NAME:** PLASTIC PRESOAK K2

**USE:** Oxygenated Destaining Presoak

**SUPPLIER:**

JohnsonDiversey Canada, Inc.  
2401 Bristol Circle  
Oakville Ontario, L6H 6P1, Canada

**EMERGENCY PHONE:**

**1-800-668-7171**

**WHMIS CLASSIFICATION:** C E

**CHEMICAL FAMILY:** Inorganic Oxygen Donor

**TRADE NAME / SYNONYMS:** not applicable

**CHEMICAL NAME:** not applicable

**II - HAZARDOUS INGREDIENTS**

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium perborate	15-40	010332-33-9	LD50 900 mg/kg	oral/rat
Sodium carbonate	15-40	000497-19-8	LD50 4090 mg/kg	oral/rat
Sodium metasilicate	10-30	006834-92-0	LD50 1153 mg/kg	oral/rat
Tetrasodium pyrophosphate	1-5	007722-88-5	LD50 4000 mg/kg	oral/rat
Sodium dodecylbenzene sulphonate	0.5- 1.5	025155-30-0	LD50 1260 mg/kg	oral/rat

**III - HANDLING AND DISPOSAL PROCEDURES**

**PERSONAL PROTECTIVE EQUIPMENT:**

**Gloves:** Natural Rubber, Neoprene or Nitrile    **Eye:** safety glasses    **Footwear:** not required  
**Respiratory:** as required    **Other:** not required

**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid breathing dust. Avoid eye contact.

**VENTILATION REQUIREMENTS:** General ventilation.

**INCOMPATIBILITY (Material to Avoid):** acids, reducing agents, iron, copper, rust

**SPILL PROCEDURES:** Sweep or scoop up material for disposal.

**WASTE DISPOSAL:** Dispose according to municipal, provincial, and federal regulations.

**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container. Do not store above 40°C. Avoid high humidity. UN1759

**IV - PHYSICAL PROPERTIES**

**APPEARANCE / ODOUR:** White powder

**S.G. / BULK DENSITY(g/cc):** 0.87-0.96

**pH:** (0.9% solution) 11.8

**VAPOUR PRESSURE (mmHg):** not applicable

**VAPOUR DENSITY (air=1):** not applicable

**ODOUR THRESHOLD:** not applicable

**BOILING POINT:** not applicable

**FREEZING POINT:** not applicable

**PERCENT VOLATILE:** not applicable

**SOLUBILITY IN WATER:** soluble

**EVAPORATION RATE (water=1):** not applicable

**V - TOXICOLOGICAL PROPERTIES**

**EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**

**EYES:** May cause severe irritation. May cause permanent damage if not treated promptly.

**SKIN:** Repeated or prolonged contact may result in irritation.

**INGESTION:** May cause severe irritation of the digestive tract. May cause permanent damage if not treated promptly.

<b>INHALATION:</b> Breathing dust may cause respiratory irritation.	
<b>LD50 (calculated):</b> 1609 mg/kg	<b>LC50 (calculated):</b> Not applicable
<b>OTHER TOXIC EFFECTS:</b> TLV (sodium perborate) 10 mg/m3; TLV (sodium metasilicate) 2 mg/m3; TLV (tetrasodium pyrophosphate) 10 mg/m3	
<b>EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:</b> none known	
<b>VI - FIRST AID MEASURES</b>	
<b>EYES:</b>	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
<b>SKIN:</b>	Flush affected area thoroughly with water. If irritation develops, contact a physician.
<b>INGESTION:</b>	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.
<b>INHALATION:</b>	Remove patient to fresh air. Get medical attention for any breathing difficulty.
<b>VII - FIRE AND EXPLOSION DATA</b>	
<b>FLAMMABLE:</b> No. Combustion supporting oxygen released when heated.	
<b>FLASH POINT, °C:</b> not applicable	<b>AUTO IGNITION TEMPERATURE, °C:</b> N/Ap
<b>EXTINGUISHING MEDIA:</b> Water [x] Dry Chemical [ ] Carbon Dioxide [ ] Foam [ ] Other [ ]	
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Wear self-contained breathing apparatus.	
<b>HAZARDOUS COMBUSTION PRODUCTS:</b> not applicable.	
<b>EXPLOSIVE SENSITIVITY TO:</b> not applicable	
<b>VIII - REACTIVITY DATA</b>	
<b>STABILITY:</b> Stable [x] Unstable [ ]	
<b>CONDITIONS TO AVOID:</b> Moisture and temperatures above 50°C.	
<b>INCOMPATIBILITY (Material to Avoid) :</b> Avoid contact with moisture, acids, reducing agents and excess heat.	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Decomposition liberates oxygen and generates heat.	
<b>REACTIVITY:</b> not dangerously reactive	
<b>IX - MSDS PREPARATION</b>	
<b>SOURCES USED:</b> RTECS, MSDS for Sodium Perborate.	<b>PREPARED BY:</b> JohnsonDiversey Canada. Inc. Regulatory Department Institutional Division Phone (905) 829-1200
<b>PREPARATION DATE:</b> April 15, 2003	
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