

# MATERIAL SAFETY DATA SHEET

## I. GENERAL INFORMATION

TRADE NAME (as labeled): SMP ®  
Description: Reclaiming Concentrate Powder

DATE PREPARED/ REVISED:

July 01, 2005

### MANUFACTURER'S NAME

Chemical Consultants, Inc.  
1850 Wild Turkey Circle  
Corona, CA 92880-1799 USA

PREPARER

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## II. COMPONENT SAFETY DATA

Chemical Names	CAS Numbers	%	Exposure Limits in Air (give units)		Other (specify)
			ACGH TLV	OSHA PEL	
Sodium Metaperiodate	7790-28-5	100	Not Est'd	Not Est'd	

## III. PHYSICAL PROPERTIES

Vapor density (air =1):	NA	Melting point or range, °F	572
Specify gravity:	3.865	Boiling point or range, °F	NA
Solubility in water:	10.3% @ 20C	Evaporation rate (butyl acetate =1):	NA
Vapor pressure, mmHg at 20 °C:	NA	pH (1% solution):	5% solution 6-7
Appearance and odor:	White crystalline powder.		

## IV. FIRE AND EXPLOSION

Flash point, °F (give method): N/A  
Auto ignition temperature, °F: None  
Flammable limits in air volume %: lower (LEL) Unknown upper (UEL) Unknown  
Fire extinguishing materials: water spray \_\_\_\_\_ carbon dioxide \_\_\_\_\_ other \_\_\_\_\_  
foam \_\_\_\_\_ dry chemical \_\_\_\_\_

### Special fire fighting procedures:

Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved self-contained apparatus. Cool fire exposed containers with water.

### Unusual fire and explosion hazards:

Powerful oxidizing agent-assists fire. Keep away from finely divided metals and other easily oxidizable substances. Oxygen & iodine fumes will be liberated during a fire.

## V. REACTIVITY DATA

Stability: Stable  Unstable \_\_\_\_\_

### Conditions to avoid:

Contact with combustibles, acid metal powders, and easily oxidized material.

### Incompatibility (materials to avoid):

Metal powders, organic compounds, combustible metals, reducing substances.

### Hazardous decomposition products (including combustion products):

Iodine, oxygen, sodium oxide.

Hazardous polymerization: May occur \_\_\_\_\_ Will not occur

### Conditions to avoid:

Exposure to sources of heat.

**VI. HEALTH HAZARD INFORMATION****SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.**

**Inhaled:** Dust irritant to mucous membranes. Do not smoke when using this product.

**Skin:** May cause allergic reaction.

**Swallowed:** Harmful by ingestion. No quantitative data available.

**HEALTH EFFECTS OR RISKS FROM EXPOSURE:** Explain in lay terms.

**Acute:** Dust irritant to skin, eyes, and mucous membranes.

**Chronic:** Toxic by ingestion.

**FIRST AID EMERGENCY PROCEDURES:**

**Eye contact:** Flush immediately with fresh water for at least 15 minutes. Contact a physician.

**Skin contact:** Remove contaminated clothing. Wash with soap and water. If irritation occurs, seek medical aid.

**Inhaled:** Remove to fresh air. Rinse facial area with plenty of water.

**Swallowed:** Do not induce vomiting. Seek medical aid.

**CARCINOGENICITY?** YES: \_\_\_\_\_ NO:

This product's ingredients are found in this list. Federal OSHA \_\_\_\_\_ NTP \_\_\_\_\_ IARC \_\_\_\_\_ ACGIH \_\_\_\_\_

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Irritation of skin.

**VII. SPILL, LEAK, AND DISPOSAL PROCEDURES**

**Spill response procedures (include employee protection measures):** Absorb small spills onto suitable absorbent. Contain large spills by diking.

**Disposal Methods:** May be supplied to biological treatment plant after dilution.

**NOTE:** Dispose of all wastes in accordance with federal, state, and local regulations.

**VIII. SPECIAL HANDLING PROCEDURES**

**Respiratory protection (type):** Dust mask (martingale or similar).

**Ventilation and engineering controls:** Local exhaust to control dust.

**Eye protection (type):** Safety goggles when handling powder concentrate.

**Gloves (specify material):** Neoprene gloves to prevent direct skin contact

**Other clothing and equipment:** Adequate protective clothing to prevent skin contact.

**Work practices, hygienic practices:** Keep containers tightly closed when not in use. Wash clothing before reuse.

**Other handling and storage requirements:** Keep in sealed containers away from combustibles and sources of heat and ignition. Store out of direct sunlight at below 100 degrees F.

**IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION**

HMIS Code System Rating = Health 2; Flammability 0; Reactivity 1.

NFPA 704 Code System Rating = Health 2; Flammability 0; Reactivity 1.

Volatile Organic Compound (VOC) = None

DOT Proper Shipping Name: Oxidizing Solid, N.O.S. (contains sodium metaperiodate), 5.1 UN1479, PGII

This product contains no chemicals subject to the reporting requirements of SARA Title III, Section 313.

This product contains no Proposition 65 designated chemicals.

This product is in compliance with California SCAQMD Rule 1171 as a clean up material.

Biodegradable, considered drain safe into all sewer systems.

Contains no chlorinated or petroleum hydrocarbons.