



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** REMOVE ER1

**General Use:** Removes screen-printing stencils from fabric

**Manufacturer:** SAATIchem  
2050 Hammond Dr. Schaumburg, IL 60173  
Tel: 1-847-925-8570 (Monday-Friday 8:30am – 5:00pm CST)  
Fax: 1-847-925-9278  
www.saatiamericas.com

**Emergency Telephone Number:** INFOTRAC 800-535-5053 or 352-323-3500, 24-hours everyday

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Percentage	CAS Number	OSHA PEL	ACGIH TLV
Sodium Meta-periodate	100	7790-28-5	Not Determined	Not Determined

\*\*\* The specific chemical identity and/or weight percent is being withheld as a trade secret

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

Oxidizer – white crystalline solid powder. **CAUTION—Oxidizing Agent** - May cause eye, skin, and respiratory tract irritation.

**Potential Health Effects** – Dermatitis. May aggravate pre-existing respiratory conditions

**Eye:** Direct contact will cause irritation.

**Skin:** May cause irritation.

**Ingestion:** Large amounts may cause gastro-intestinal irritation, possible toxic effects.

**Inhalation:** Dust may cause irritation to respiratory tract.

**Chronic Effects/Carcinogenicity:** None known.

### 4. FIRST AID MEASURES

**Eyes:** Immediately flush with water at least 15 minutes. Get medical attention if irritation occurs.

**Skin:** Flush with large amounts of water. Get medical attention if irritation persists.

**Ingestion:** Drink plenty of water to dilute. Do not induce vomiting. Get medical attention immediately.

**Inhalation:** Remove to fresh air. Get medical attention if breathing difficulties persists.

### 5. FIRE FIGHTING MEASURES

**Flash Point / Method:** Not applicable

**Flammable Limits:** Not available

**Extinguishing Media:** Water spray.

**Autoignition Temperature:** Not available

**Protection of Fire Firefighter:** Wear full protective equipment and self-contained breathing apparatus.

**Fire & Explosion Hazards:** Oxidizing agent- exercise extreme caution, dry material will assist a fire

### 6. ACCIDENTAL RELEASE MEASURES

Remove ER1

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**Spills:** Flush to waste with large quantities of water. Mop with water soaked towels; dry paper towels may smolder and ignite. Avoid raising dust.

## 7. HANDLING AND STORAGE

Store in a cool and dry area. Keep away from heat, direct sunlight, organics, flammables, and combustibles. Segregate from other hazardous chemicals. Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Wash thoroughly after handling.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Local exhaust should be sufficient to control airborne levels.

**Respiratory Protection:** There are no known exposure limits for this product; however, when it is used as supplied by the manufacturer, respiratory protection is required. (NIOSH approved dust mask – 3M #8710 or equivalent) Respiratory protection is not required when it is used in the diluted form.

**Skin Protection:** Neoprene gloves

**Eye Protection:** Safety glasses

**Other:** Apron recommended

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** crystalline solid powder

**Appearance:** white

**Odor:** Very Slight

**Vapor Pressure:** Not available

**Specific Gravity:** 4.0 (bulk)

**Solubility in Water:** 12.5%

**pH:** 4.0-5.0 of a 2.0% solution

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Boiling Point:** Dec. >300°C

**Melting Point:** Dec. >300°C

**Percent Volatiles:** Not available

**Volatile Organic Compounds:** Not available

## 10. STABILITY AND REACTIVITY

**Stability/Conditions to avoid:** Stable

**Materials to avoid:** Reducing agents, flammables, combustibles

**Conditions to avoid:** heat, direct sunlight

**Hazardous decomposition products:** None under normal conditions. Iodine/ oxides of iodine are possible in extreme heat.

**Hazardous polymerization:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

Not found to be a carcinogen

**Acute Toxicity Data:**

LD<sub>50</sub> 58 mg/kg intraperitoneal (mouse)

LC<sub>50</sub> Not Determined

## 12. ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all current local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

**US DOT:** OXIDIZING SOLID, N.O.S., (SODIUM METAPERIODATE), 5.1, UN1479,P.G.II

**Transport Canada:** OXIDIZING SOLID, N.O.S., (SODIUM METAPERIODATE), 5.1, UN1479,P.G.II

**IATA:** OXIDIZING SOLID, N.O.S., (SODIUM METAPERIODATE), 5.1, UN1479,P.G.II

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**IMO:** OXIDIZING SOLID, N.O.S., (SODIUM METAPERIODATE), 5.1, UN1479,P.G.II  
**FOR 1 AND 2 POUND CONTAINER SIZES:**  
OXIDIZING SOLID, N.O.S., (SODIUM METAPERIODATE), 5.1, UN1479,P.G.II, LTD. QTY.

## 15. REGULATORY INFORMATION

### US Federal Regulations

**TSCA:** All components of this product are listed on the TSCA Inventory.

**CERCLA (40 CFR 117.302):** This material contains no Reportable Quantity (RQ) Substances.

**SARA Title III (40 CFR 372)**

**Section 311/312 Hazard Categories:** None

**Section 313 Reportable Ingredients:** None

### US State Regulations

**Pennsylvania Right-To-Know Act reportable components:** None.

**California Proposition 65 reportable components:** None.

### Canadian Regulations

**DSL:** All components of this product are listed on the Domestic Substances List.

## 16. OTHER INFORMATION

**HMIS III Rating:** Health-2, Fire-0, Physical Hazard -1,



Personal Protection-E

**MSDS prepared by:** Joey Mucha, Regulatory Affairs Coordinator

**Revision Date:** August 17, 2009

### Note for users:

The information contained in the present sheet is based on our knowledge, on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.