



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SAATlchem REMOVE ER1

General Use: Removes screen-printing stencils from fabric

Manufacturer: SAATlchem
2050 Hammond Dr. Schaumburg, Il. 60173
Tel: 1-877-296-7697 or 1-847-296-7697 (Monday-Friday 8:00am – 4:30pm CST)
Fax: 1-847-296-7408
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 Metaperiodate	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

Small spill: Flush to waste with large quantities of water. Mop with water soaked towels, dry paper towels may smolder and ignite. Avoid raising dust.

Large spill: Absorb spill with inert material (e.g., dry sand or earth). Flush area with water to minimize residue. 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:

LD₅₀ 58 mg/kg intraperitoneal (mouse)
LC₅₀ 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
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 Rating: Health-2, Fire-0, Reactivity-1, Personal Protection-E

MSDS prepared by: Joey Mucha, Regulatory Affairs Coordinator

Supercedes Date: February 17, 2004

Revision Date: November 7, 2006