SAATI **CHEMICALS DIVISION**

MATERIAL SAFETY DATA SHEET

1. **PRODUCT AND COMPANY IDENTIFICATION**
   Product Name: REMOVE ER1
   General Use: Removes screen-printing stencils from fabric
   Manufacturer: SAATI
   201 Fairview St. Ext. Fountain Inn, SC. 29644
   Tel: 1-864-601-8300
   Fax: 1-864-862-0089
   Hours: Monday-Friday 8:30am – 5:00pm
   http://msds.saatiexpress.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	None Established	None Established

3. **HAZARDS IDENTIFITION**
   Emergency Overview
   Oxidizer – white crystalline solid powder. **CAUTION—Oxidizing Agent.** Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. Contact with combustible material may cause fire.
   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**
   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 required
   Eye Protection: Safety glasses required
   Other: Apron recommended

9. **PHYSICAL AND CHEMICAL PROPERTIES**
   Physical State: crystalline solid powder
   Appearance: white
   Odor: Very Slight
   Vapor Pressure: Not available
   Density: 3.865
   Solubility in Water: 80 g/L (20 ºC)
   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: 300 ºC (dec.)
   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_{50} 58 mg/kg intraperitoneal (mouse)
    LC_{50} 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 III Rating: Health-2, Fire-0, Physical Hazard -1,

    Personal Protection-F (in powder form)

    Personal Protection-C (in diluted form)
    MSDS revised by: Kathy Tylka, Regulatory Affairs Coordinator
    Revision Date/Revision History: April 9, 2010 – Section 8 and 16
                                            January 17, 2012– Section 1: new address
                                            January 22, 2014 – Logo

    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.