



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** REMOVE PW1  
**General Use:** Removes ink from screen-printing screens  
**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

Chemical Name	Percentage	CAS Number	OSHA PEL	ACGIH TLV
Acetone	100	67-64-1	1000ppm TWA	500ppm TWA 750ppm STEL

This material is classified as hazardous under OSHA regulations.

3. HAZARDS IDENTIFICATION

**Emergency Overview**

Clear, colorless to amber liquid with acetone odor. DANGER—EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. Causes eye, skin, and respiratory tract irritation. Affects central nervous system. Harmful if swallowed or inhaled.

**Potential Health Effects**

- Eye:** Causes irritation, reddening, and tearing.
- Skin:** Causes irritation and defatting of tissues.
- Ingestion:** Causes irritation.
- Inhalation:** Vapor causes irritation, nausea, dizziness, narcosis, and headache.

**Chronic Effects/Carcinogenicity:** May cause damage to kidneys and liver. Not found to be a human carcinogen.

4. FIRST AID MEASURES

- Eyes:** Immediately flush with water at least 15 minutes. Get medical attention immediately.
- Skin:** Wash with large amounts of soap and water. Get medical attention if irritation persists.
- Ingestion:** Do not induce vomiting. Wash out mouth with water provided person is conscious. Get medical attention immediately.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

- Flash Point / Method:** -20C (-4F)
- Flammable Limits in air by volume percent:** LEL=2.5%, UEL=12.8%
- Extinguishing Media:** Carbon dioxide, alcohol foam, or dry chemical. Water may be ineffective, except when used to cool fire exposed containers.
- Protection of Firefighter:** Wear full protective equipment and self-contained breathing apparatus.
- Fire & Explosion Hazards:** Extremely flammable liquid and vapor. Vapor may cause flash fire. Can release vapors that form explosive mixtures at temperatures at or above the flashpoint.
- Sensitivity to Mechanical Impact:** Stable
- Sensitivity to Static Discharge:** Not available

6. ACCIDENTAL RELEASE MEASURES

**Spills:** Eliminate all ignition sources. Ventilate area. Absorb spill with inert material (e.g., dry sand or earth). Do not flush to sewer. Retain for proper removal and treatment.

7. HANDLING AND STORAGE

Protect against physical damage. Keep away from heat, sparks, and flame. Keep container closed. Use only with adequate ventilation. Containers should be bonded and grounded for transfers to avoid static sparks. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor. Wash thoroughly after handling. Empty containers may also be hazardous due to residual materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the exposure limits.
- Respiratory Protection:** If concentrations are over the exposure limits, use a NIOSH-approved air-purifying respirator with an organic vapor cartridge or canister.
- Skin Protection:** Neoprene gloves.
- Eye Protection:** Safety goggles.
- Other Protective Equipment:** Vapor respirator, suggested.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State:** Volatile liquid
- Appearance:** Clear, colorless to amber
- Odor:** fragrant, mint-like
- Vapor Pressure:** 400 mmHg at 39.5C (104°F)
- Specific Gravity:** 0.79 at 20C (4F)

Remove PW1  
Revision Date: January 22, 2014

**Solubility in Water:** Miscible  
**pH:** Not applicable  
**Vapor Density:** 2.0 (air=1)  
**Evaporation Rate:** 7.7 calculated (butyl acetate=1)  
**Boiling Point:** 56.5C (133°F)  
**Melting Point:** -95C (-139F)  
**Percent Volatiles:** 100%  
**Volatile Organic Compounds:** exempt

10. **STABILITY AND REACTIVITY**

**Stability/Conditions to avoid:** Stable  
**Materials to avoid:** Strong oxidizing agents, nitric and sulfuric acid mixtures, chloroform, alkalis, chlorine compounds, acids, potassium t-butoxide.  
**Hazardous decomposition products:** Carbon dioxide, carbon monoxide.  
**Hazardous polymerization:** Will not occur

11. **TOXICOLOGICAL INFORMATION**

For Acetone (CAS#67-64-1)  
LD50 oral (rat) = 5800 mg/kg  
LC50 inhalation (rat) = 50100 mg/m<sup>3</sup>/8H  
LD50 oral (mouse) = 3 g/kg  
LC50 inhalation (rat) = 44 g/m<sup>3</sup>/4H  
LD50 intraperitoneal (mouse) = 1297 mg/kg  
LD50 oral (rabbit) = 5340 mg/kg

12. **ECOLOGICAL INFORMATION**

This material is expected to readily biodegrade and evaporate quickly. It is not expected to significantly bioaccumulate. When released into the soil it is expected to leach into ground water. When released into the air, it may be moderately degraded by reaction with photochemically produced hydroxyl radicals, it may be moderately degraded by photolysis, and/or be readily removed from the atmosphere by wet deposition.  
Not expected to be toxic to aquatic life. The LC50/96-hour values for fish are over 100mg/l.

13. **DISPOSAL CONSIDERATIONS**

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

14. **TRANSPORT INFORMATION**

**US DOT:** Acetone, UN1090, 3, PGII  
**Transport Canada:** Acetone, UN1090, 3, PGII  
**IATA:** Acetone, UN1090, 3, PGII  
**IMO:** Acetone, UN1090, 3, PGII

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 a Reportable Quantity (RQ) Substance, acetone, and if 5000 pounds of acetone are released, notification to the National Response Center, Washington, DC (1-800-424-8802) is required.  
**SARA Title III (40 CFR 372)**  
**Section 311/312 Hazard Categories:** Immediate Health, Delayed Health, Fire  
**Section 313 Reportable Ingredients:** Acetone (CAS#67-64-1).

**US State Regulations**

**Pennsylvania Right-To-Know Act reportable components:** Acetone (CAS#67-64-1).  
**California Proposition 65 reportable components:** None.

**Canadian Regulations**

**DSL:** All components of this product are listed on the Domestic Substances List.  
**WHMIS Classification:** Class 2B  
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

16. **OTHER INFORMATION**

**HMIS III:** Health-1, Fire-4, Physical Hazard -2,



Personal Protection-B

**MSDS prepared by:** Kathy Tylka, Regulatory Affairs Coordinator

**Revision Date/Revision History:** August 14, 2009  
January 18, 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.