



### MATERIAL SAFETY DATA SHEET

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** REMOVE PW5 (46804)  
**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

Components	Wt % Less Than	CAS Number	OSHA PEL	ACGIH TLV
2-(2-butoxyethoxy)ethanol	60.0	112-34-5	50ppm	20ppm
Aliphatic dibasic ester	25.0	MIXTURE	Not Established	Not Established
1-methoxy-2-propanol	10.0	107-98-2	100ppm/ 150ppm	100ppm/ 150ppm
Terpene Hydrocarbons	10.0	5989-27-5		

▪ Classified as Combustible Liquid Class II (OSHA)

#### 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Combustible liquid and vapor.

##### Potential Health Effects:

**Eye:** Moderately irritating to the eyes causing transient corneal injury.

**Skin:** Causes skin irritation. May cause allergic skin reaction. Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash). Can be absorbed through skin and produce central nervous system effects. Personnel with pre-existing skin disorders should avoid contact with this product.

**Ingestion:** Harmful if swallowed. May cause dizziness and drowsiness and/or stupor.

Overexposure may cause nausea, diarrhea, and/or vomiting.

**Inhalation:** Dust/Mist irritates nose and throat. Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression).

**Chronic Effects:** Significant exposure to this chemical may adversely affect people with chronic disease of the CNS, respiratory system, kidney, liver, skin, and/or eyes. Overexposure may cause nervous system damage. Overexposure may cause kidney damage. Overexposure may cause delayed lung damage.

**Carcinogenicity:** Not found to be a carcinogen

#### 4. FIRST AID MEASURES

**Eyes:** Remove contact lenses if worn. Flush eyes with water for at least 15 minutes. Get medical attention immediately.

**Skin:** Remove contaminated shoes and clothes and clean before reuse. Wash affected area with soap and water. Seek medical attention if irritation persists.

**Ingestion:** Do not induce vomiting to prevent aspiration into the lungs. Give victim a glass of water or milk. Get medical attention immediately. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air. Provide oxygen if breathing is difficult. Get immediate medical attention.

#### 5. FIRE FIGHTING MEASURES

**Flash Point / Method:** 132°F (55.6°C)TCC

**Flammable Limits:** Not Applicable

**Extinguishing Media:** Dry chemical, foam or carbon dioxide

**Autoignition Temperature:** Not Applicable

**Protection of Fire Firefighter:** Do not use water. Water spray to cool containers or protect personnel. Wear full protective equipment and self-contained, positive pressure breathing apparatus.

**Fire & Explosion Hazards:** Can form explosive mixtures at temperatures above the flashpoint. Vapors may travel to source of ignition and flash back. DO NOT pressurize, cut, braze, solder, drill, grind, or expose such containers to heat, sparks, static electricity, or other sources of ignition.

#### 6. ACCIDENTAL RELEASE MEASURES

**Spills:** Contain spilled material. Absorb with inert material (e.g., clay, dry sand or earth) and Transfer to secure containers. Flush area with water to minimize residue.

#### 7. HANDLING AND STORAGE

Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Use only in well ventilated area.

Store in a cool and dry area. Materials can accumulate static charges, which can cause an incendiary electric discharge. Protect from direct sunlight. Keep away from heat, sparks, flame.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels. **Respiratory Protection:** Under normal use conditions respirator not required.

If exposure levels exceed the PEL/TLV, use NIOSH/MSHA-approved respirator with an organic vapor filter.

**Skin Protection:** Wear impervious protective gloves.

**Eye Protection:** Safety glasses and/or face shield.

**Other Protective equipment:** Apron

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** liquid

**Appearance:** clear, transparent liquid

**Odor:** typical

**Vapor Pressure:** N.D.

**Specific Gravity:** 0.9743 @ 20C

**Solubility in Water:** partial

**Vapor Density:** (AIR=1) >1

**Evaporation Rate:** (ETHER = 1) <1

**Melting Point:** Not Applicable

**Percent Solids:** Not Applicable

**Volatile Organic Compounds:** 739g/L

**10. STABILITY AND REACTIVITY**

**Stability:** N.D.

**Conditions to avoid:** Sparks, flames, and other sources of heat. Avoid impact and friction. Minimize exposure to air.

**Materials to avoid:** Strong oxidizing agents, alkalies, acids.

**Hazardous decomposition products:** Carbon dioxide, carbon monoxide, toxic gases/fumes are given off during burning or thermal decomposition.

**Hazardous polymerization:** N.D.

**11. TOXICOLOGICAL INFORMATION**

Product LD50: N.D

Product LC50: N.D

2-(2-butoxyethoxy)ethanol: LD50 mg/kg =1480, LC50 mg/L = 1.6

Aliphatic dibasic esters: LD50 mg/kg = 8191, LC50 mg/L = 11.0

1-methoxy-2-propanol: LD50 mg/kg =6040, LC50 mg/L = 12.5

**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:** Flammable Liquid, n.o.s., (1-methoxy-2-propanol, terpene solvent), UN1993, 3, PG III.

**15. REGULATORY INFORMATION**

**US Federal Regulations**

**TSCA:** All components of this product are listed on the TSCA Inventory. If identified components of this product are listed under TSCA 12(b) export notification rule, they will be listed below:

2-(2-butoxyethoxy)ethanol CAS#112-34-5

1,2-ethanediol CAS#107-21-1

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

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

**Section 311/312 Hazard Categories:** Immediate Health Hazard, Chronic Health Hazard, Fire Hazard

**Section 313 Reportable Ingredients:** 2-(2-butoxyethoxy)ethanol CAS#112-34-5

**US State Regulations**

**New Jersey Right-to-Know Act:** CAS# 9016-45-9

**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:** Health-1, Fire-2, Physical Hazard -0



Personal Protection- B

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

**Revision Date/Revision History:** February 12, 2010

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.