



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** **DIRECT PREP 4**  
**General Use:** Degreasing cleanser for screen-printing mesh.  
**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	Percentage	CAS Number	OSHA PEL	ACGIH TLV
Alcohol Ethoxylate	<10	68551-12-2	N/D	N/D
Disodium Trioxosilicate	<10	6834-92-0	N/D	N/D

### 3. HAZARDS IDENTIFICATION

**Warning** – No known health effects, however, prolonged and/or overexposure to solvent vapors may have an adverse effect on the respiratory, reproductive, and central nervous systems, liver and kidneys

**Medical conditions generally aggravated by exposure:** Dermatitis, pre-existing respiratory problems.

**Symptomatic routes of exposure:**

**Skin Contact:** Prolonged exposure may cause irritation.

**Eye Contact:** Direct exposure may cause irritation and tearing.

**Inhalation:** Vapor and/or mist may irritate mucous membranes of the respiratory tract.

**Ingestion:** Large quantities are harmful and will cause gastro-intestinal irritation and/or damage .

### 4. FIRST AID MEASURES

**Eyes:** Irrigate with water for 15 minutes. Seek medical advice if irritation persists.

**Skin:** Wash with soap and water. Wash contaminated clothing separately before using them again.

**Ingestion: Do Not induce vomiting.** Drink plenty of water, seek medical attention and treat symptomatically. Do not give anything by mouth to an unconscious person.

**Inhalation:** Remove victim to fresh air. If irritation persists, seek medical attention.

### 5. FIRE FIGHTING MEASURES

**Flash Point / Method:** N/A

**Flammable Limits:** N/A

**Extinguishing Media:** Water spray, carbon dioxide, foam, or dry chemical.

**Autoignition Temperature:** N/A

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

**Fire & Explosion Hazards:** None known.

### 6. ACCIDENTAL RELEASE MEASURES

**Small spill:** Collect spilled material and transfer to proper disposal site.

**Large spill:** Absorb with sand or other inert material and transfer to proper disposal site.

### 7. HANDLING AND STORAGE

Store in dry, cool conditions and in the original containers. Gloves, dust mask, and goggles may be worn as a practice of good industrial hygiene.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Follow the good industrial hygiene practices adopting suitable individual protective measures such as gloves and goggles. Do not eat or smoke while handling the product. Wash hands before eating and at the end of the work shift.

**Respiratory Protection:** Not required, but an NIOSH approved organic vapor cartridge when adequate local exhaust is not available.

**Skin Protection:** PVC/ Latex/ Neoprene recommended.

**Eye Protection:** Goggles/ safety glasses recommended.

**Other:** Apron recommended.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Appearance:** Clear

**Odor:** Faint

**Vapor Pressure:** as water

**Specific Gravity:** 1.00 kg/L @ 20°C

**Solubility in Water:** Completely

**pH:** 11.0-13.0

**Vapor Density:** >1

**Evaporation Rate:** <1

**Boiling Point:** 100°C

**Melting Point:** 0°C

**Percent Volatiles:** >90

**Volatile Organic Compounds:** 40g/L

**10. STABILITY AND REACTIVITY**

**Stability:** This product is stable in normal conditions of use and storage.

**Conditions to avoid:** Heat

**Materials to avoid:** Strong oxidizing agents, acids and bases.

**Hazardous decomposition products:** Carbon dioxide, carbon monoxide, aldehydes, ketones, organic acids, oxides of sulfur.

**Hazardous polymerization:** Will not occur.

**Explosion Data:** None known.

**11. TOXICOLOGICAL INFORMATION**

According to currently available data, this product has not produced health damages. However, it should be handled according to good industrial practices.

**Carcinogenicity:** No

**Acute Toxicity Data:**

LD<sub>50</sub>: For Disodium Trioxosilicate: 847mg/kg oral (rat); For Alcohol ethoxylate: 2000-5000 mg/kg oral (rat)

LC<sub>50</sub> : N/D

**12. ECOLOGICAL INFORMATION**

Ecological information is not available.

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORT INFORMATION**

**US DOT:** Not Regulated

**Transport Canada:** Not Regulated

**IATA:** Not Regulated

**IMO:** Not Regulated

**ADR:** Not Regulated

**RID:** Not Regulated

**IMDG:** Not Regulated

**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.

Danger labeling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

Workers exposed to this chemical agent do not need to undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/CE regulation is respected.

**16. OTHER INFORMATION**

**HMIS Rating:** Health-0, Fire-0, Reactivity-0



Personal Protection-B

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

**Revision Date/Revision History:** February 16, 2004

May 13, 2009

November 3, 2011 – Section 1: new address

January 17, 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.