

SAFETY DATA SHEET

U.S. HazCom GHS Format



Date Issued : 9/8/2014
 MSDS No : 14
 Date Revised : 10/14/2014
 Revision No : 2

REMOVE IR14**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** REMOVE IR14**GENERAL USE:** Removes ink from screen-printing screens**PRODUCT DESCRIPTION:** Ink Remover**PRODUCT CODE:** SCRP530, SCRP53000PQ001, SCRP53000PG001, SCRP53000ZG1X5, SCRP53000SG55C**MANUFACTURER**

SAATI

Chemicals

201 Fairview St. Extension

Fountain Inn, SC 29644

Emergency Contact: Ross Balfour**Emergency Phone:** 847-942-1719**Alternate Emergency Phone:** 864-601-8710**Customer Service:** 800-431-2200**Transportation:** 864-601-8305**E-Mail:** info.us@saati.com, <http://msds.saatiexpress.com>**PN:** 49369**24 HR. EMERGENCY TELEPHONE NUMBERS**INFOTRAC 800-535-5053 or 352-323-3500, 24-hours
everyday**2. HAZARDS IDENTIFICATION****GHS CLASSIFICATIONS****Health:**

Eye Irritation, Category 2A

Reproductive Toxicity, Category 2

Physical:

Flammable Liquids, Category 4

GHS LABEL

GHS08

SIGNAL WORD: WARNING**HAZARD STATEMENTS**

H227: Combustible liquid.

H319: Causes serious eye irritation.

H361: Suspected of damaging fertility or the unborn child [state specific effect if known] [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard].

PRECAUTIONARY STATEMENT(S)**Prevention:**

P264: Wash skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P202: Do not handle until all safety precautions have been read and understood.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P370+P378: In case of fire: Use alcohol foam, carbon dioxide, dry chemical, or water spray for extinction.

P308+P313: IF exposed or concerned: Get medical advice/attention.

Storage:

P403: Store in a well-ventilated place.

P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with federal/state/local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Dimethyl adipate	5 - 20	627-93-0
Dimethyl succinate	5 - 20	106-65-0
Alcohols, C11-15-secondary, Ethoxylated	5 - 20	68131-40-8
Tetrahydrofurfuryl alcohol	5 - 20	97-99-4

4. FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

SKIN: Wash off with soap and plenty of water. Consult a physician.

INGESTION: Do not induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately.

Never give anything by mouth to an unconscious person.

INHALATION: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides

FIRE FIGHTING EQUIPMENT: Wear self contained breathing apparatus for fire fighting if necessary.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Available

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

LARGE SPILL: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow uncontrolled discharge of product into the environment.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

STORAGE: Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use.

SHELF LIFE: 36 months

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
			EXPOSURE LIMITS	
			ACGIH TLV	
Chemical Name			ppm	mg/m ³
Tetrahydrofurfuryl alcohol	TWA	0.5		

ENGINEERING CONTROLS: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses. Use equipment for eye protection tested and approved under appropriate government

standards such as NIOSH (US).

SKIN: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

RESPIRATORY: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

PROTECTIVE CLOTHING: Apron recommended.

WORK HYGIENIC PRACTICES: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Slight Solvent

COLOR: Colorless

pH: Not Available

PERCENT VOLATILE: Not Available

FLASH POINT AND METHOD: 71.1 °C (160 °F) TCC

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: Not Available

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

POUR POINT: Not Available

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: 1.024

VISCOSITY: Not Available

MOLECULAR WEIGHT: Not Available

(VOC): 288.600 g/L

OXIDIZING PROPERTIES: Not Available

10. STABILITY AND REACTIVITY

STABLE: Yes

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Heat, flames and sparks. Extremes of temperature and direct sunlight.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Available

INCOMPATIBLE MATERIALS: Oxidizing agents, acids, strong bases, strong reducing agents

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Dimethyl adipate	> 5000 mg/kg [Rat]	> 1000 mg/kg [Rabbit]	
Dimethyl succinate	6892 mg/kg [Rat]	> 5000 mg/kg [Rabbit]	> 2000 mg/L [Rat] 4 h
Alcohols, C11-15-secondary, Ethoxylated	> 2000 mg/kg [Rat]	> 2000 mg/kg [Rat]	
Tetrahydrofurfuryl alcohol	1600 mg/kg [Rat]	5000 mg/kg [Rabbit]	

DERMAL LD₅₀: Not yet determined for this product

ORAL LD₅₀: Not yet determined for this product

INHALATION LC₅₀: Not yet determined for this product

EYE EFFECTS: Causes eye irritation. Symptoms may include stinging, tearing, redness and swelling.

SKIN EFFECTS: Causes skin irritation. Prolonged and or repeat skin contact may result in redness and blurred vision.

CHRONIC: Overexposure may cause nervous system damage. Possible reproductive hazard.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Dimethyl adipate	Not Listed	Not Listed	Not Listed
Dimethyl succinate	Not Listed	Not Listed	Not Listed
Tetrahydrofurfuryl alcohol	Not Listed	Not Listed	Not Listed

IARC: Not listed

NTP: Not listed

OSHA: Not listed

REPRODUCTIVE EFFECTS: CAS # 97-99-4 Reproductive toxicity - rat - Inhalation Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count). Paternal Effects: Testes, epididymis, sperm duct. Paternal Effects: Prostate, seminal vesicle, Cowper's gland, accessory glands. Reproductive toxicity - rat - Skin Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil, sewers and waterways. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

Notes: CAS # 68131-40-8: Toxicity to fish LC₅₀ - *Oncorhynchus mykiss* (rainbow trout) - 1.53 mg/l - 96 h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic invertebrates EC₅₀ (calculated) - *Daphnia* - 5.66 mg/l - 48 h Toxicity to algae NOEC - Algae - 0.305 mg/l - 72 h

13. DISPOSAL CONSIDERATIONS

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

EMPTY CONTAINER: Dispose of as unused product in accordance with all LOCAL, STATE, or FEDERAL applicable regulations.

14. TRANSPORT INFORMATION


DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME:

	DOT CLASSIFICATION
UN number	-
UN proper shipping name	NOT REGULATED
Transport hazard class	-
Packing group	-
Label	-

OTHER SHIPPING INFORMATION: The NOT REGULATED classification of this material is strictly for transport within the United States.

**AIR (ICAO/IATA)
SHIPPING NAME:**

	IATA
UN number	UN 1993
UN proper shipping name	Flammable liquids, n.o.s. (contains tetrahydrofurfuryl alcohol)
Transport hazard class	3
Packing group	III
Label	

NOTE: Shipment is not regulated by IATA in non bulk packaging when shipped within the United States.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: FIRE HAZARD, ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: acetaldehyde CAS # 75-07-0, dioxane CAS #123-91-1, formaldehyde/methanol solution CAS # 50-00-0, Methanol CAS # 67-56-1

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Alcohols, C11-15-secondary, Ethoxylated	68131-40-8
Tetrahydrofurfuryl alcohol	97-99-4

TSCA REGULATORY: All components of this product are listed, or are exempt from listing on the TSCA 8(b) inventory.

REGULATIONS

STATE REGULATIONS: CAS # 106-65-0 Pennsylvania Right-To-Know Act, New Jersey Right to Know Act, CAS # 627-93-0 New Jersey RTK Hazardous Substance, Pennsylvania Hazardous Substance, CAS # 1119-40-0 New Jersey RTK Hazardous Substance, Pennsylvania Hazardous Substance, CAS # 67784-80-9 New Jersey RTK Hazardous Substance, Pennsylvania Hazardous Substance, CAS # 34398-01-1 New Jersey RTK Hazardous Substance, Pennsylvania Hazardous Substance, CAS # 75-21-8 Massachusetts Right To Know Component, CAS # 123-91-1 Massachusetts Right To Know Component, CAS # 50-00-0 Massachusetts Right To Know Component, CAS # 75-07-0 Massachusetts Right To Know Component, CAS # 68131-40-8 Pennsylvania Right-To-Know Act, New Jersey Right to Know Act, CAS # 25322-68-3 New Jersey Right to Know Act, CAS # 126950-60-5 New Jersey Right to Know Act, CAS # 97-99-4: Massachusetts Hazardous Substance, New Jersey RTK Hazardous Substance, Pennsylvania Hazardous Substance

CALIFORNIA PROPOSITION 65: Warning: The following ingredients present in the product are known to the state of California to cause Cancer: 75-21-8, 75-07-0, 123-91-1,50-00-0

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards. CAS-No. 75-21-8, 67-56-1

CLEAN WATER ACT: None

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Combustible
Liquid



Toxic

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Controlled Product

WHMIS CLASS: B, D

DOMESTIC SUBSTANCE LIST (INVENTORY): All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION

REASON FOR ISSUE: U.S. HazCom GHS Format

APPROVED BY: Ross Balfour **TITLE:** Global Business Unit Manager

PREPARED BY: SDS Regulatory Specialist

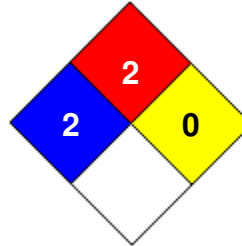
INFORMATION CONTACT: Kathy Tylka

REVISION SUMMARY: This MSDS replaces the 9/12/2014 MSDS. Revised: **Section 14: DOT (DEPARTMENT OF TRANSPORTATION) - TECHNICAL NAME.**

HMIS RATING

HEALTH	<input type="text" value=""/>	2
FLAMMABILITY	<input type="text" value=""/>	2
PHYSICAL HAZARD	<input type="text" value=""/>	0
PERSONAL PROTECTION	<input type="text" value=""/>	B

NFPA CODES



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