

SAFETY DATA SHEET

U.S. HazCom GHS Format



Date Issued : 7/22/2014

MSDS No : 1

Date Revised : 2/10/2015

Revision No : 9

REMOVE ER1**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** REMOVE ER1**GENERAL USE:** Removes screen-printing stencils from fabric**PRODUCT DESCRIPTION:** Emulsion Remover**PRODUCT CODE:** SCRE00400FP110, SCRE00400FP025, SCRE00400LO032, SCRE00400FP050**MOLECULAR FORMULA:** NaIO₄**GENERIC NAME:** Sodium Meta Periodate**ACTIVE INGREDIENT(S):** Sodium Meta Periodate**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>**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

Skin Irritation, Category 2

Target Organ Toxicity (Single exposure), Category 3

Physical:

Oxidizing Solids, Category 2

GHS LABEL

GHS03



GHS07

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H272: May intensify fire; oxidizer.

H335: May cause respiratory irritation.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

PRECAUTIONARY STATEMENT(S)**Prevention:**

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

P220: Keep/Store away from clothing/.../combustible materials.

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

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

P264: Wash skin thoroughly after handling.

Response:

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

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

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.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

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

TARGET ORGAN STATEMENT: Respiratory System

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Meta Periodate	99 - 100	7790-28-5

4. FIRST AID MEASURES

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

SKIN: Wash affected area with soap and water. Seek medical attention if irritation develops/persists.

INGESTION: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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: Hydrogen iodide, Sodium oxides

FIRE FIGHTING PROCEDURES: Use water spray to cool unopened containers.

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

HAZARDOUS DECOMPOSITION PRODUCTS: Not Available

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wetbrushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

LARGE SPILL: Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wetbrushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Keep away from heat and sources of ignition.

STORAGE: Keep container tightly closed in a dry and well-ventilated place. Light sensitive. Hygroscopic.

SHELF LIFE: 24 months

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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.

COMMENTS: These recommendations provide general guidelines for handling of this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with section 13.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid [crystalline]

ODOR: Odorless

COLOR: white, light yellow

pH: 3.5 to 5.5

PERCENT VOLATILE: Not Available

FLASH POINT AND METHOD: Not Available

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: Not Available

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: 300°C (572°F)

POUR POINT: Not Available

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: completely soluble

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: 3.86

VISCOSITY: Not Available

MOLECULAR WEIGHT: 213.89 g/mol

OXIDIZING PROPERTIES: The substance or mixture is classified as oxidizing with the category 2.

10. STABILITY AND REACTIVITY

STABLE: Yes

STABILITY: Hygroscopic. Stable under recommended storage conditions.

CONDITIONS TO AVOID: Exposure to light.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Available

INCOMPATIBLE MATERIALS: Organic materials, Forms shock-sensitive mixtures with certain other materials., Reducing agents, Powdered metals, Magnesium

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)
Sodium Meta Periodate	264 mg/kg [Rat]

DERMAL LD₅₀: Not Available

ORAL LD₅₀: 264 mg/kg [rat]

EYE EFFECTS: Causes serious eye irritation.

SKIN EFFECTS: Causes skin irritation.

CARCINOGENICITY

IARC: Not listed

NTP: Not listed

OSHA: Not listed

TARGET ORGANS: May cause respiratory irritation.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data are available on the adverse effects of this material on the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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 1479
UN proper shipping name	Oxidizing solid, n.o.s. (sodium metaperiodate)
Transport hazard class	5.1
Packing group	II
TDG 500 KG Exemption	Yes
Label	

AIR (ICAO/IATA)

SHIPPING NAME:

	IATA
UN number	NOT ACCEPTED FOR SHIPMENT BY AIR

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: REACTIVITY HAZARD, ACUTE HEALTH HAZARD

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

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Meta Periodate	7790-28-5

TSCA REGULATORY: All components of this product are listed on the TSCA Inventory.

REGULATIONS

STATE REGULATIONS: CAS # 7790-28-5 Pennsylvania Right To Know Component, New Jersey Right To Know Component

CALIFORNIA PROPOSITION 65: None

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Oxidizing



Toxic

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Controlled Product

WHMIS CLASS: C, 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

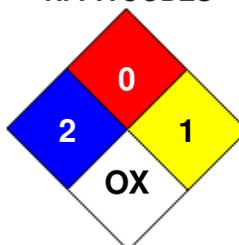
PREPARED BY: SDS Regulatory Specialist

REVISION SUMMARY: This MSDS replaces the 9/19/2014 MSDS.

HMIS RATING

HEALTH		2
FLAMMABILITY		0
PHYSICAL HAZARD		1
PERSONAL PROTECTION		C

NFPA CODES



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