

SAFETY DATA SHEET (SDS)

1. IDENTIFICATION

Product Identifier	Screen Reclaimer Crystals
Other means of identification	
Product Code	SRC32
Recommended use	Screen Reclaimer
Recommended restrictions	
GENERIC NAME:	Sodium Meta Periodate
ACTIVE INGREDIENT(S):	Sodium Meta Periodate
Manufacturer Information	
Manufacturer Name	Performance Screen Supply, LLC
Address	600 Park Avenue, Suite 100, Manalapan, NJ 07726
Telephone Number	1-732-866-6081
Email	bob@performancescreen.com
Telephone number for emergencies:	Chemtel – 1-800-255-3924 International 01-813-248-0585

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Serious Eye Damage, Category 2

Skin Corrosion, Category 2C

Target Organ Toxicity (Repeated exposure), Category 3

Environmental:

Aquatic Toxicity, Category 2

Physical:

Oxidizing Solids, Category 2

GHS LABEL



GHS03



GHS08



GHS09

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H271: May cause fire or explosion; strong oxidizer.

H318: Causes serious eye damage.

H314: Causes severe skin burns and eye damage.

H372: Causes damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

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.

P283: Wear fire/flame resistant/retardant clothing.

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment

Response:

P306+P360: IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

P371+P380+P375: In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

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

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

310: Immediately call a POISON CENTER or doctor/physician.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363: Wash contaminated clothing before reuse.

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

P321: Specific treatment (see first aid instructions on this label).

P391: Collect spillage.

Storage:

P420: Store away from other materials.

P405: Store locked up.

Disposal:

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

TARGET ORGAN STATEMENT: Respiratory System

3. COMPOSITION INFORMATION

Chemical Name	% by weight	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

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: For large spills: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Pick up mechanically.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE PROCEDURES

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.

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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 & 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

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Chemical Name

ORAL LD₅₀

(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. TRANSPORTATION INFORMATION

	DOT CLASSIFICATION
UN Number	UN 1479
UN proper shipping name	Oxidizing solid, corrosive, n.o.s. (sodium periodate)
Transport hazard class	5.1
Packing group	II
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: FIRE HAZARD, ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

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

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None

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TSCA (TOXIC SUBSTANCE CONTROL ACT)

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



Corrosive



Toxic

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Controlled Product

WHMIS CLASS: C, D, E

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

PREPARED BY: SDS Regulatory Specialist

REVISION SUMMARY: This MSDS replaces the 2/10/2015 MSDS. Revised:

Section 14: DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME.

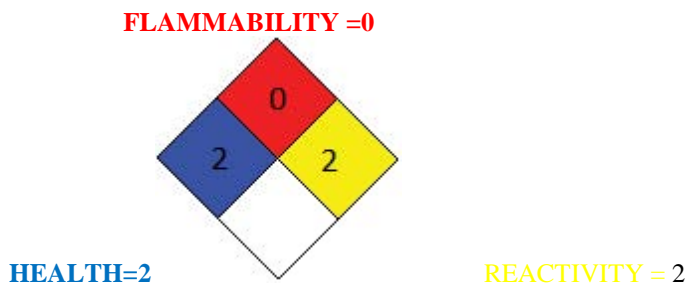
Section 15: CHRONIC, 311/312 HAZARD CATEGORIES, WHMIS CLASS.

Section 16: HMIS RATING (PERSONAL PROTECTION), NFPA CODES - REACTIVITY.

The substance possesses oxidizing properties.- HMIS-ratings (scale 0 - 4)

HEALTH	2
FIRE	0
REACTIVITY	2
PERSONAL PROTECTION	J

NFPA CODE



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