



Reclaiming Powder

Safety Data Sheet

Emergency Telephone Number: CHEMTREC 1-800-424-9300

One Stroke Inks

458 Roberts Ave

Louisville, KY 40214

Effective Date: January 1, 2016

1. PRODUCT IDENTIFICATION: **Synonyms:** Reclaiming Powder **CAS No.:** 7790-28-5 **E-C No.:** 232-197-6 **Weight:** 213.89g/mol
Chemical Formula: INaO₄

2. HAZARDS IDENTIFICATION:

GHS Classification: Acute aquatic toxicity (Category 1) Skin corrosion (Category 1C) Serious Eye damage (Category 1)
Oxidizing solids (Category 1) Specific target organ toxicity - repeated exposure (Category 1)



Pictogram:

Signal Word: DANGER

HAZARD STATEMENT(S): H271: May cause fire or explosion; strong oxidizer

H318: Causes serious eye damage.

H314: Causes severe skin burns & eye damage

H372: Causes damage to organs (thymus gland) through prolonged or repeated exposure. H400: Very toxic to aquatic life.

PRECAUTIONARY STATEMENT(S): P210: Keep away from heat P220: Keep/Store away from clothing/combustible materials.

P221: Take any precaution to avoid mixing with combustibles. P260: Do not breathe dust/fume/gas/mist/vapors/spray.

P264: wash skin thoroughly after handling P270: Do not drink, eat or smoke, when using this product.

P273: Avoid release into environment P405: Store locked up. P280: Wear protective gloves/eye & face protection

P283: Wear fire/flammable resistant/retardant clothing. 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.

P304 + P340 + P310: If inhaled: remove to fresh air and keep at rest in a position comfortable for breathing. Immediately Call Poison Center or doctor/physician P501: Dispose of contents/container to an approved waste disposal plant.

P306+P360: If On Clothing: rinse immediately contaminated clothing & skin with plenty of water before removing clothes.

P305 + P351 + P338 + P310: If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present & easy to do so. Continue Rinsing, Immediately Call Poison Center or doctor/physician P391: Collect Spillage

P370 + P378: In case of fire: use dry sand, dry chemical or alcohol-resistant foam for extinction

P371+P380+P375: in case of major fire & large quantities: evacuate area. Fight fire remotely due to the risk of explosion.

P314: Get medical advice/attention if you feel unwell. P363: Wash contaminated clothing before reuse.

HMIS Classification: Health hazard 2, Flammability 0, Physical hazards 3

NFPA Rating: Health hazard 2, Fire 0, Reactivity hazard 3 Special Hazard: OX

Potential Health Effects: **Eye:** Risk of serious damage to eyes. **Skin:** Harmful in contact with skin.

Ingestion: Harmful if swallowed.

Inhalation: Harmful by inhalation.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Chemical Name	CAS No.	Percent
Sodium periodate	7790-28-5	90-100%

4. FIRST AID MEASURES: **Eyes:** rinse immediately with plenty of water and seek medical advice.

Skin: Rinse with plenty of soap & water and seek medical advice. **Ingestion:** Do not induce vomiting without medical advice.

Rinse with water. Consult physician. **Inhalation:** Move to fresh air. **Notes to Physician:** Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES: **General Info:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Contact with other material may cause fire. **Extinguishing:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. **Special Hazards:** hydrogen iodide, sodium oxides.

6. ACCIDENTAL RELEASE MEASURES: **General Information:** Use proper PPE as indicated in Section 8.

Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container. Dike and cover spill with ferrous sulfate, sodium sulfite or sodium thiosulfate, then moisten and acidify, to promote the reduction reaction. Neutralize slurry with soda ash. **Do not let product enter drains.**

7. HANDLING AND STORAGE: **Handling:** Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Minimize dust generation and accumulation. Keep from contact with other combustible materials.

Storage: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage and moisture.

Isolate from any source of heat or ignition. Avoid storage on wood floors. Separate from incompatibles, combustibles, organic or other readily oxidizable materials. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product. Light Sensitive, Hygroscopic.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

<u>Chemical Name</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>OSHA-Final PEL's</u>
Sodium metaperiodate	None listed	None listed	None listed

Personal Protective Equipment: Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulation in 29 CFR 1910.133 or European Standard EN166 **Skin:** Wear protective gloves and clean body-covering clothing. 0.11mm thick nitrile. **Clothing:** Wear appropriate protective clothing to prevent skin exposure. **Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. **Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES: White crystalline powder. **Solubility:** 107g/l at 20°C (68°F) **Density:** 3.86 g/cm³. **pH:** 3.5-5.5 at 107g/l at 25°C (77°F) **Melting Point:** 270°C (518°F) **Auto-ignition Temperature:** 262°C

10. STABILITY AND REACTIVITY: Stability: Stable under ordinary conditions of use and storage. Strong oxidizing characteristics appear when mixed with acid solutions. **Conditions to Avoid:** Heat, flames, ignition sources, shock, friction exposure to light and incompatibles. **Incompatibilities:** Strong reducing agents, combustible material, forms of shock-sensitive mixtures with certain other materials, powdered metals, magnesium, organic materials. **Hazardous Decomposition Products:** see section 5

11. TOXICOLOGICAL INFORMATION: RTECS#: SD4550000 **LD50/LC50:** Intraperitoneal - mouse - 58 mg/kg
Carcinogenicity: CAS#7790-28-5: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

12. ECOLOGICAL INFORMATION: Environmental Fate: LC50-rainbow trout- >0.17mg/l-96h
EC50-static test-Water flea-0.18mg/l-48h Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classifications determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Contact a licensed professional waste disposal service to dispose of the material. **RCRA U & P-Series:** None listed

14. TRANSPORT REGULATIONS: DOT: UN 3085, Oxidizing solid, corrosive, n.o.s., (Sodium periodate), 5.1, (8), I, ERG 140
IMDG: UN 3085, OXIDIZING SOLID, CORROSIVE, N.O.S., (Sodium periodate), 5.1, (8), I
IATA: UN 3085, Oxidizing solid, corrosive, n.o.s., (Sodium periodate), 5.1, (8), I

15. REGULATORY INFORMATION: SARA 311/312: Acute & Chronic Health Hazard

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

Section 313: No chemicals are reportable under Section 313.

STATE: CAS#7790-28-5 is not present on state lists from CA, MN, MA, FL.

PA Right to Know: Sodium periodate CAS#7790-28-5 **New Jersey Right to Know:** Sodium periodate CAS#7790-28-5
California Prop.65 components: None of the chemicals are known to cause cancer, birth defects, or any other reproductive harm.

EUROPEAN/INTERNATIONAL REGULATIONS European Labeling in Accordance with EC Directives

Hazard Symbols: XN O **WGK (Water Danger/Protection):** CAS#7790-28-5: 1

Canada – DSL/NDL is listed on Canada's DSL List. **Canada – WHMIS** This product has a WHMIS classification of C. CAS#7790-28-5 is not listed on Canada's Ingredient Disclosure List.

16. DISCLAIMER INFORMATION: One Stroke Inks provides the information herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. One Stroke Inks makes no representations or warranties, either expressed or implied, including without limitation and warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, One Stroke Inks will not be responsible for damages resulting from the use of or reliance upon this information.