

MATERIAL SAFETY DATA SHEET**Product Name:** Potassium (meta)periodate**CAS No.:** 7790-21-8**Version:** 0**1. Identification**

Product Code : 92366
Company Name : Advent Chembio Private Limited
Address : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.
E-mail : info@adventchembio.com
WEBSITE : www.adventchembio.com
Company Phone Number : 022-27690837

2. Hazards Identification**Hazard classification**

Oxidizing solids : Category 2
Skin irritation : Category 2
Eye irritation : Category 2
Specific target organ toxicity - single exposure : Category 3

Label elements**Hazard symbol**

Signal word : Danger
Hazard statement : May intensify fire; oxidiser.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Precautionary statement : Wear protective gloves/ eye protection/ face protection.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Supplemental Hazard Statements : None.

3. Composition/information on ingredients

Ingredient	CAS No	PERCENT
Potassium (meta)periodate	7790-21-8	NLT 99.5%

MATERIAL SAFETY DATA SHEET**Product Name:** Potassium (meta)periodate**CAS No.:** 7790-21-8**Version:** 0**4. First Aid Measures****Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation

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

Skin contact

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

Eye contact

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

Swallowed

: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed Treatment

: No data available

5. Fire fighting measures**Extinguishing media****Suitable extinguishing media**

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

Special hazards arising from the substance or mixture

: Hydrogen iodide, Potassium oxides

Advice for firefighters

: Wear self contained breathing apparatus for firefighting if necessary

Further information

: No data available

6. Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

: Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

MATERIAL SAFETY DATA SHEET**Product Name:** Potassium (meta)periodate**CAS No.:** 7790-21-8**Version:** 0**Reference to other sections** : For disposal see section 13.**7. Handling and Storage****Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.**Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.**Specific end use(s)** : No data available**8. Exposure Controls Personal Protection****Control parameters****Components with workplace control parameters****Exposure controls****Appropriate engineering controls** : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.**Personal protective equipment****Eye/face protection** : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).**Skin Protection Hand protection** : 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.**Body Protection** : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace..**Respiratory protection** : Respiratory protection is required.**9. Physical and Chemical Properties****Appearance** : White fine crystalline powder**Odor** : No data available**pH** : 4.5 – 5.5 at 2,3 g/l at 25 °C**Melting point/freezing point** : 582 °C**Initial boiling point and boiling range** : No data available**Flash Point** : No data available**Vapor pressure** : No data available

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Vapor density : No data available
Relative density : 3.500 g/cm³
Solubility in water : ca.2,3 g/l at 20 °C
Solubility (other) : No data available
Formula : IKO₄
Molecular Weight : 230.00 g/mol

10. Stability and Reactivity

Reactivity : No data available
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : No data available
Conditions to avoid : No data available
Incompatible materials : Strong reducing agents, Powdered metals, Amines
Hazardous decomposition products : No data available

11. Toxicological Information**Information on toxicological effects**

Acute toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity : No data available.
Specific target organ toxicity - single exposure : Inhalation - May cause respiratory irritation.
Specific target organ toxicity - repeated exposure : No data available
Aspiration hazard : No data available
Signs and Symptoms of Exposure : No data available

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Toxicity : No data available
Persistence and degradability : No data available
Bioaccumulative potential : No data available
Mobility in soil : No data available.
Other adverse effects : No data available.

13. Disposal consideration

Disposal instructions : 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.
Contaminated packaging : Dispose of as unused product.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	1479	Potassium periodate	5.1	II	YES
IMDG	1479	Potassium periodate	5.1	II	YES
IATA	1479	Potassium periodate	5.1	II	YES

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date** :01/08/2014**Version** : 0

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