

SODIUM METAPERIODATE

Technical Grade

Technical Data Sheet

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Product Data

Chemical Name	Sodium (meta)periodate Sodium metaperiodate Sodium periodate
Molecular Weight	213,89
REACH registration nr.	01- 2119980983- 20-0005
Chemical formula	NaIO ₄
C.A.S. number	7790-28-5
UN number	3085

Applications

- Widely used as an environmentally friendly print screen cleaner in the printing industry.
- Organic chemical applications: determining the structure of carbohydrates; oxidation at benzylic position to aldehydes; oxidation of benzyl alcohols to benzoic acids; oxidation of olefins to syn-diols; oxidation of olefins to anti- α -haloalcohols; oxidative cleavage of C-C bonds; oxidation of sulfides to sulfoxides, etc.
- It is also used in the synthesis of active pharmaceutical ingredients.

Specification*

Test	Requirements
Appearance (visual)	White or off – white crystals
Assay (Iodometry)	min. 99,0%, m/m
Solubility (50 mg/ml H ₂ O)	Clear to slightly hazy
Color of solution (5,0 w/w%)	Colorless
Chloride, bromide, chlorate, bromate (as Cl ⁻ limit test)	max. 0,02%, m/m %
Sulfates (as SO ₄ ²⁻ , limit test)	max. 0,01%, m/m %
Manganese	max. 0,0003%, m/m %

*We can also meet individual customer needs regarding quality.

Hazard classification and safety measures

Sodium metaperiodate is classified in ADR class 5.1 (oxidizing substances) and has to be transported and handled accordingly.

While handling sodium metaperiodate, wearing protective glasses and a face shield is recommended. For skin protection, wear protective clothing and protective gloves.

For more information, please take a look at our safety data sheets.

Packing and storage

In 20-kg drums that comply with all ADR regulations. We can accommodate individual requests as well.

Sodium metaperiodate has to be kept away from combustible material, sources of ignition, and high temperatures. Has to be stored in the original, closed, and appropriately labelled container in a cool and dry place.

The information above is based on our most recent knowledge. Application and processing of the material after sale is beyond our control and we cannot assume responsibility for any use of this product outside our premises. The data and information presented above should be considered as guidance only. Our TDS shall not constitute a guarantee for any specific properties or quality standards. The recipients of our products are obliged to check the suitability of this material for the intended use and accept sole responsibility for compliance with any legal requirements relating to its use. This document does not constitute a warranty or guarantee.

Vinyl Kft.

Registered address: H-3524 Miskolc Adler Károly u.19.
phone: +36 46 432 633

www.vinyl.hu

Production site: H-1097 Budapest Illatos út 19-23.
e-mail: office@vinyl.hu