



MATERIAL SAFETY DATA SHEET

Manganese Standard 1000 mg/l as Mn

Product Identification
Product Code
Product use

Manganese Standard 1000 mg/l as Mn
CRM0029
It is intended to be used as calibration of instrument, validation measurement using various spectroscopic or standard methods of analysis.

Composition /Information on ingredients

Component	Cas no.	percentage
Manganese	7439-96-5	≤1
Deionized water	7732-18-5	>95
Nitric acid	7697-37-2	>4.0

Hazards information's

Hazard for normal use
May irritate eyes and skin
Target Organs
Acute Toxicity
Chronic Toxicity
Medical condition aggravated by Exposure

Low hazard under recommended laboratory use; may cause irritation on direct contact
Causes skin irritation. Causes serious eye irritation
Eyes and skin
No data available
No data available
Pre-existing skin, eye irritation, wounds, or open cuts may be aggravated by exposure

First aid measures

- 1.If inhaled After inhalation: fresh air.
- 2.In case of skin contact In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
3. If swallowed After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

Accidental release Measures

Clean up and wash down drain.

Handling and storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place & keep away from heat.

Physical and Chemical Properties

State

Clear liquid

Odor threshold

No data available

Sensitivity to mechanical impact

None

Specific gravity

No data available

Solubility in water

Soluble

pH

<2.0

Boiling point

No data available

Vapor density

Not Determined

Stability and reactivity

The product is stable under recommended storage and handling conditions. No dangerous reactions are expected under normal laboratory use.

Toxicological Information

No data available

Ecological information

No data available

Disposal condition

Dispose of in a manner consistent Local Regulations.

Transport information

Product is not hazardous for transport.



Other information

The above information is believed to be accurate and represent the best information currently available to us. The Product is offered in accordance with the manufacturers' current production specification and are intended solely for use in analytical testing. The manufacturer shall in no event be liable for any injury, loss or damage resulting from the handling, use or misuse of these products.

MSDS prepared by Quality Manager of NICP RMP
Document No. NICPSDS005

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