

# Libox Chem (India) Pvt. Ltd.

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## Specification Datasheet Potassium Permanganate Free Flowing AWWA B603-03/NSF 60

### Quality Specifications

#### Guaranteed Assay: min 97% $KMnO_4$

Chromium (Cr): Less than 500 ppm

Cadmium (Cd): Less than 100 ppm

Mercury (Hg): Less than 10 ppm

Moisture = 0.5% max.

Insoluble = 0.5% max

Chloride < 10 ppm

Sulphate < 10 ppm

Free flow agent: Na-Al Silicate

Pour test (B603-03): complies

### Physical Data:

Molecular Formula:  $KMnO_4$

Cas No: 7722-64-7

Form: Free flowing powder.

Molecular Wt.: 158.04

Density and Phase: 2.703 gm/c.c,

Bulk Density: 90-100 lb/ft<sup>3</sup>

Melting Point: 240 deg. C, (decomposes)

Standard Enthalpy of Formation: -813 KJ/mol

Standard molar Entropy: 171.7 Joule/ (K Mol)

### Handling and Disposal:

Keep the material in air-tight containers, dry, cool and well ventilated area. Keep off from any sources of heat or ignition. Chemical and Packaging must be disposed of in accordance with the country specific and local disposal laws. The material that cannot be recovered for recycling must be handled as hazardous waste and must be sent to an approved waste disposal facility.

Country of Origin: India

Risk Phrases: R-08, R-22, R-50/53

Safety Phrases: S-(2), S-60, S-61

IMDG: 5.1

UN: 1490

### Packing:

- 50 kg. HDPE bags
- 50 kg. GIMS drums
- 150 kg. metal drums\*
- 25 kg. pails\*
- Special Packaging can be considered on request.
- Shrink wrapped and palletized for Export.
- \* UN certified drums

### Description:

Free flowing powder, purple in color. When dissolved in water forms a vivid purple solution. Potassium permanganate has a astringent taste. Inhalation may cause irritation to respiratory tract.

### Size Analysis:

Passing through US std. sieve no. 200: max: 7%  
Retained on US std. sieve no. 40: max 20%

### Labelling:



Certified to  
NSF / ANSI 60

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