

BLACK DIAMOND CHEM.

Specification sheet Potassium Permanganate Free Flowing

Quality Specifications

Guaranteed Assay: min 97% KMnO_4

Chromium (Cr): Less than 50 ppm

Cadmium (Cd): Less than 50 ppm

Mercury (Hg): Less than 10 ppm

Moisture = 0.5% max.

Insolubles = 0.5% max.

Chloride < 20 ppm

Sulphate < 50 ppm

Free Flow agent: Na-Al silicate

Pour Test (B603-10): Complies

Particle Size

20% max. retained on #40 Mesh (0.425 mm)

7.0% max. passes #200 mesh (0.75 mm)

Physical Data:

Molecular Formula: KMnO_4

Cas No: 7722-64-7

Form: Granular powder.

Molecular Wt.: 158.04

Density and Phase: 2.703 gm/c.c.

Bulk Density: 90-100 lb/ft³

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.

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:

Powder is dark 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.

Labelling:



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