



Product Specification

Product Name: CHROMIUM Powder LR

Alternate Name(s) Chromium Metal; Chromium Metal Powder.

Description

Hard, brittle, semigray metal. Odourless.

Properties

Chemical Formula:

Molecular Weight: 52.00

Product Code: CL232

CAS No. 7440-47-3

General Information:

Insoluble in water. Soluble in acids (except nitric) and strong alkalis. Incompatible with strong oxidising agents, acids, alkalis and alkali carbonates. Combustible if in very fine powder.

Quality Specification

Assay: 98.5% min

Specific Properties and Impurities [Typical levels]:

Boiling Point	2200°C
Flamm. Limit LEL	0.23 g/L (dust cloud)
Minimum ignition temperature	layer 400 °C
Minimum ignition temperature	cloud 580 °C
Specific Gravity	7.20
Melting Point	1900°C
Phosphorus (P)	≤ 0.02%
Aluminium	≤ 0.30%
Carbon	≤ 0.07%
Iron	≤ 0.50%
Sulfur	≤ 0.15%
-63+38 Micron	9%
Sieve Analysis (micrometer)	
-200+150 Micron	≤ 0.1%
-75+63 Micron	10%
-38 Micron	6%
-150+75 Micron	74.0%

Hazard and Safety Data

UN Group:	None Allocated
Class:	None Allocated
UN Number:	None Allocated
Hazchem code:	None Allocated
CS MSDS Code:	1CH9Z
Poison schedule:	Not Scheduled
Emergency	
Procedure Guide No.:	N/A

Chem-Supply Pty Ltd - An ISO 9001:2008 Accredited Company

38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

Chem-Supply does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product for any intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product for any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement or supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.