



Product Specification

Product Name: SULFUR Atomic Powder LR

Alternate Name(s) Flowers of sulfur; brimstone.

Description

Yellow powder. Faint odour.

Properties

Chemical Formula: S

Molecular Weight: 32.06

Product Code: SL006

CAS No. 7704-34-9

General Information:

Insoluble in water. Slightly soluble in ether and alcohol. Soluble in carbon disulfide, carbon tetrachloride and benzene. Flammable. Incompatible with alkali metals, oxidizing agents, silicon compounds, etc.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH71

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.9 % minimum

Specific Properties and Impurities [Typical levels]:

Melting Point	113-119 °C
Boiling Point	444.6 °C
Specific Gravity	2.36
Flash Point	160 °C (CC)
Flamm. Limit LEL	1 Vol%
Flamm. Limit UEL	40 Vol%
Autoignition Temp.	232 °C
Vapour Density	8.9
Decomposition Temp.	> 250 °C
Residue on Ignition	≤ 0.1%
Moisture	≤ 0.2%
Acidity (as H ₂ SO ₄)	≤ 0.02%
Particle Size	
D (v,0.1) 10% below	<30
D (v,0.5) 50% below	<70
D (v,0.9) 90% below	<150

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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

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