



Product Specification

Product Name: SILICA GEL Orange Self Indicating LR

Alternate Name(s) Silicon dioxide, amorphous

Description

Amber coloured synthetic amorphous silicon dioxide in granular form. Colour changes from orange to dark blue-green with moisture. Hygroscopic.

Properties

Chemical Formula: SiO₂

Molecular Weight: 60.08

Product Code: SL421

CAS No. 63231-67-4

General Information:

Insoluble in water. Incompatible with halogen oxides, hydrogen halides, strong acids. Avoid temperatures above 150 °C. Non combustible material.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CHTO

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Not classified as hazardous according to the criteria of ASCC.

Quality Specification

Assay: -

Specific Properties and Impurities [Typical levels]:

Melting point	> 1000°C (decomposes)
Exhausted	Dark blue-green
Active	Orange
Loss on drying (at 120°C)	< 1.8%
Absorption	
R.H. 20%	8% min.
R.H. 35%	13% min.
R.H. 50%	20% min.
Qualified ratio of spherical particle	90% min.

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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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