

Product Data Sheet

Fluorspar — Metallurgical Grade (Metspar)

Description

Description	Metallurgical grade fluorspar (Metspar, CaF_2 85–92%) is used as a fluxing agent in steel and aluminium production. It lowers slag viscosity and melting point, improves slag fluidity, and aids removal of sulphur and phosphorus. Supplied as lumps or briquettes.
Applications	Used as a flux in steelmaking (BOF/EAF) and aluminium production, and in welding flux.
Used In	Steel flux, aluminium flux, welding

Key Benefits

- Metallurgical grade – CaF_2 85–92%
- Lowers slag viscosity and melting point
- Improves slag fluidity and S / P removal
- Supplied as lumps or briquettes
- Economical bulk flux grade

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Calcium Fluoride (CaF_2)	85% – 92%
Silica (SiO_2)	Max. 3.0%
Calcium Carbonate (CaCO_3)	Max. 2.0%
Iron Oxide (Fe_2O_3)	Max. 0.30%
Sulphur (S)	Max. 0.05%

Physical Properties

Property	Specification
Form	Lumps / briquettes

Size	10 – 50 mm (customisable)
Grade	Metallurgical (Metspar)
Moisture	Max. 1.0%
Origin	India / imported

* Typical values; mine- and lot-dependent. Test methods available upon request.

Packaging

- 25 kg / 50 kg PP / HDPE woven bags
- 1 MT / 1.25 MT Jumbo Bags (FIBC)
- Loose in bulk for large industrial / export orders
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area protected from moisture
- Keep away from acids – contact releases toxic hydrogen fluoride (HF)
- Avoid dust generation; provide adequate ventilation
- Handle with appropriate PPE to control dust and avoid ingestion

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Specifications vary by mine and lot; figures are typical values. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. Fluorspar releases toxic hydrogen fluoride on contact with acids – refer to the MSDS.