

Chemical Characters.

Before the blowpipe, on charcoal, it decrepitates, emits a greenish-coloured sulphureous smoke, and melts into a black globule, which, by continuing the fire gradually, assumes the metallic lustre of copper. It imparts to borax a green tinge.

Constituent Parts.

	Cornwall.	Sainbel.
Copper, - - -	30	30.0
Iron, - - -	53	31.0
Sulphur, - - -	12	36.5
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	95	97.5

*Chenevix.**Gueniveau.*

It sometimes also contains small portions of gold or silver.

Geognostic Situation.

It is one of the most abundant ores: it occurs in almost every kind of repository, and in all the great classes of rocks. Thus, it is met with in granite, gneiss, mica-slate, clay-slate, porphyry, syenite, trap, grey-wacke, in the first flötz limestone, in coal formations, and also in those of sandstone. In these rocks, it is associated with various metalliferous and earthy minerals, such as iron-pyrites, magnetic ironstone, malachite, azure copper-ore, tile-ore, red copper-ore, variegated copper-ore, copper-glance or vitreous copper-ore, galena or lead-glance, blende, cobalt-ochre, arsenical-pyrites, sparry ironstone, and sometimes native gold: the earthy minerals are calcareous-spar, fluor-spar, heavy-spar, brown-

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spar,