

MATERIAL DATASHEET

PRODUCT: GRAPHENE OXIDE

SECTION 1: Product and Company Identification

Product name: Graphene Oxide (Brodie)
Synonyms: GO5 powder, GO5 flakes
Manufacturer: Danubia NanoTech s.r.o.
 Ilkovičova 3
 84104 Bratislava
 Slovakia
Phone: +421264282144

Chemical name: Graphene Oxide
Product use: Laboratory chemicals
CAS Registry No.: 7782-42-5

SECTION 2: Basic Properties

Appearance:	Black powder
Odour:	Odourless
Melting point:	Powder melts above 3000°C.
Bulk density:	Approx. 1 g.cm ³
Solubility in water:	Dispersible in water.
Stability:	Stable on air.

SECTION 3: Elemental Analysis

Carbon	~ 73 %
Oxygen	~ 27 %

SECTION 4: Physical Properties

XPS spectrum of graphene oxide deconvoluted into components.

