

### Identification of the substance: Fullerenes

Substance name	Fullerenes
EC	No data
CAS	99685-96-8
IUPAC	Fullerenes
Molecular formula	C
Forms in the market	Powder

### Physical and chemical properties

Shape	Spherical
Size (nm)	No data

### Toxicological information

Inhalation acute toxicity	Nontoxic NOAEC: > 0.12 mg/m3 (Nontoxic)
Dermal acute toxicity	Nontoxic
Oral acute toxicity	Nontoxic
Genotoxicity	Toxic Nontoxic
Cytotoxicity	No data

### Ecotoxicological information

Freshwater Acute toxicity (Daphnia)	Nontoxic Practically nontoxic
Freshwater Acute toxicity (Alga)	No data
Freshwater Acute toxicity (Fish)	LC50 = >350 mg/L (Nontoxic) Nontoxic
Soil invertebrates (worms)	No data
BAF-Bioaccumulation	No data

### Application

Industrial uses	Coatings
Improved properties	Processability
	Dry speed
	Electronic properties
	Antibacterial properties
	Friction resistance
Polymeric matrix	Polyketone (PK), polypropylene (PP), polyethylene (PE), nylon