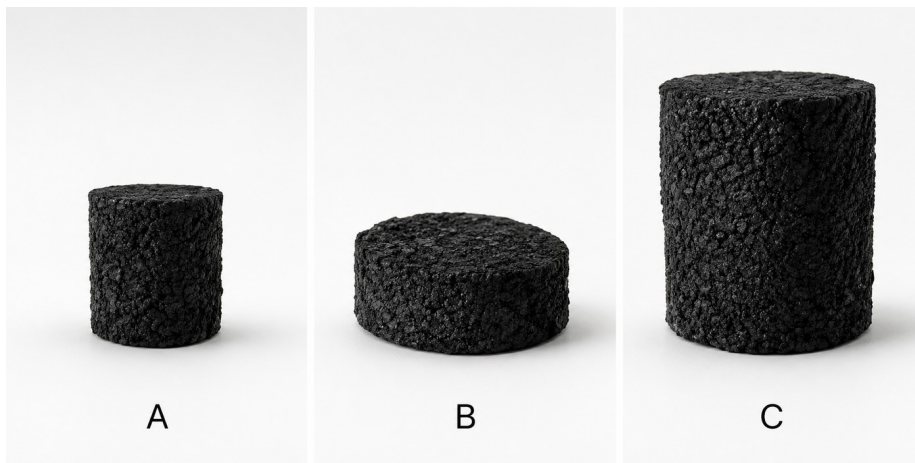


S A F E T Y D A T A S H E E T

ACS Material Graphene Aerogel

Version 1.2 / EN · Revision Date: 07/17/2026



ACS Material Graphene Aerogel — monolithic black cylinders, Types A / B / C (image not to scale).

C O N T E N T S

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5-8. Firefighting · Release · Handling · Exposure
9-12. Properties · Stability · Toxicology · Ecology
13-16. Disposal · Transport · Regulatory · Other

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Revision Date **07/17/2026**

SECTION 1**Identification of the Product and of the Company**

1.1 Product identifiers

Product Name: **ACS Material Graphene Aerogel**

Brand: **ACS Material**

CAS-No.: **7782-42-5**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: —

1.3 Details of the supplier of the safety data sheet

Company: **ACS Material, LLC · 959 E Walnut St. Suite 100, Pasadena, CA 91106, USA**

Telephone: **+1 (866)-227-0656**

Fax: **+1 (781)-518-0284**

1.4 Emergency telephone number

Emergency Phone #: **+1 (866)-227-0656**

SECTION 2**Hazards Identification**

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.2 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3**Composition / Information on Ingredients**

3.1 Substances

Substance name: **ACS Material Graphene Aerogel**

CAS-No.: **7782-42-5**

Molecular weight: —

No components need to be disclosed according to the applicable regulations.

SECTION 4**First Aid Measures**

4.1 Description of first aid measures

General advice: —

If inhaled: —

In case of skin contact: —

If swallowed: —

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

—

SECTION 5**Firefighting Measures**

5.1 Extinguishing media

Suitable extinguishing media: —

5.2 Special hazards arising from the substance or mixture

—

5.3 Advice for firefighters

—

5.4 Further information

—

SECTION 6**Accidental Release Measures**

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

—

6.3 Methods and materials for containment and cleaning up

—

6.4 Reference to other sections

—

SECTION 7**Handling and Storage**

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

—

7.3 Specific end use(s)

—

SECTION 8**Exposure Controls / Personal Protection**

8.1 Control parameters

Components with workplace control parameters: contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls: —

8.3 Personal protective equipment**Eye/face protection**

Safety glasses with side-shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Impervious clothing recommended. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

SECTION 9**Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

Physical and Chemical Properties	
Appearance	Form: Solid · Colour: Black
Odour	Odourless
Odour Threshold	No data available
pH	No data available
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	Not applicable
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper / lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other safety information

—

SECTION 10**Stability and Reactivity**

10.1 Reactivity

—

10.2 Chemical stability

—

10.3 Possibility of hazardous reactions

—

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

—

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions — carbon oxides. Other decomposition products — no data available. In the event of fire: see section 5.

SECTION 11**Toxicological Information**

11.1 Information on toxicological effectsAcute toxicity: **No data available**Skin corrosion/irritation: **No data available**Serious eye damage/eye irritation: **No data available**Respiratory or skin sensitisation: **No data available**Germ cell mutagenicity: **No data available****Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: **No data available**Specific target organ toxicity — single exposure: **No data available**Specific target organ toxicity — repeated exposure: **No data available**Aspiration hazard: **No data available**Additional information: **No data available****SECTION 12****Ecological Information**

12.1 Toxicity: **No data available**

12.2 Persistence and degradability: —

12.3 Bioaccumulative potential: —

12.4 Mobility in soil: —

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects: —

SECTION 13**Disposal Considerations**

13.1 Waste treatment methods**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

SECTION 14**Transport Information**

14.1 UN number: **ADR/RID: - IMDG: - IATA: -**

14.2 UN proper shipping name: **ADR/RID: Not dangerous goods · IMDG: Not dangerous goods · IATA: Not dangerous goods**

14.3 Transport hazard class(es): **ADR/RID: - IMDG: - IATA: -**

14.4 Packaging group: **ADR/RID: - IMDG: - IATA: -**

14.5 Environmental hazards: **ADR/RID: no · IMDG Marine pollutant: no · IATA: no**

14.6 Special precautions for user: **No data available**

SECTION 15**Regulatory Information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16**Other Information**

HMIS Rating

Health hazard: **1**

Chronic health hazard: **—**

Flammability: **0**

Physical hazard: **0**

NFPA Rating

Health hazard: **1**

Fire hazard: **0**

Reactivity hazard: **0**

Revision Date: 07/17/2026

DISCLAIMER

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