

	PRODUCT INFORMATION SHEET GRAPHITE POWDER	
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PRODUCT INFORMATION SHEET

Date Revised: 15/04/2025

Safety data sheets (SDS) are only required for substances and mixtures classified as hazardous to health or the environment or for a physical hazard.

As this product is not classified as dangerous and does not contain substances classified as dangerous according to EU regulation 1272/2008 (CLP), there is no obligation to draw up a safety data sheet (SDS) as required by art. 31 of the EU regulation 1907/2006 (REACH). Furthermore, as this product is not classified as hazardous, exposure scenarios are not required.

However, it is considered appropriate to provide the following information on a voluntary basis and without any legal obligation, using the 16-point scheme of a safety data sheet to achieve a correct use of the product.

SECTION 1. IDENTIFICATION

Product Identifier: Graphite Powder

CAS Number: 7782-42-5

Relevant identified uses of the substance: Scientific research and

development

Importer / Supplier details:

Locksmith Supply Company Pty Ltd
140-158 Dryburgh Street
North Melbourne Vic 3051
Email: lsc@lsc.com.au
Telephone: 03 9329 7222
Fax 03 9329 2570

Emergency telephone number:

Poisons Line 13 11 26
LSC: 03 9329 7222

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Formula: C

Molecular weight: 12.01 g/mol

CAS-No.: 7782-42-5

EC-No.: 231-955-3

SECTION 4. FIRST AID MEASURES

Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section

11 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

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Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

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 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

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US)

or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government

standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Form: Powder or solid in various forms

Colour: Black/ Dark grey

Odour. odourless

Odour Threshold No data available

pH No data available

Melting point/freezing point. Melting point/range: 3,652 -3,697 °C (6,606 -6,687 °F)-lit.

Initial boiling point and boiling range. No data available

Flash point. No data available

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. slightly soluble

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

Other safety information No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity No data available

Chemical stability. Stable under recommended storage conditions.

Possibility of hazardous reactions. No data available

Conditions to avoid. No data available

Incompatible materials. Strong oxidizing agents

Hazardous decomposition products. Other decomposition products - No data available

In the event of fire: see section 5

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SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - female - > 2,000 mg/kg

(OECD Test Guideline 423)

LC50 Inhalation - Rat - male and female - 4 h - 2,000 mg/m³

(OECD Test Guideline 403)

Dermal: No data available

Skin corrosion/irritation Skin - Rabbit

Result: No skin irritation

(OECD Test Guideline 404)

Serious eye damage/eye irritation Eyes - Rabbit

Result: No eye irritation

(OECD Test Guideline 405)

Respiratory or skin sensitization – Mouse. Did not cause sensitization on laboratory animals.

(OECD Test Guideline 429)

Germ cell mutagenicity in vitro assay

S. typhimurium

Result: negative

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.

ACGIH:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP:

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive

toxicity No data

available 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

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Repeated dose toxicity - Rat - male - Feed - No observed adverse effect level - 813

mg/kg RTECS: MD9659600

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish

semi - static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h

(OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48

h (OECD Test Guideline 202)

Toxicity to algae

static test EC50 - Pseudokirchneriella subcapitata - > 100 mg/l - 72

h (OECD Test Guideline 201)

Persistence and degradability No

data available

Bio-accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not

conducted Other adverse effects

No data available

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SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14. EXPOSURE CONTROLS/PERSONAL PROTECTION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards

No SARA Hazards

Massachusetts/Pennsylvania/New Jersey Right To Know

Components Graphite

CAS-No.: 7782-42-5

Revision Date: 1989-08-11

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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Regulatory	Chemical	Status
Australian Inventory of chemical substances (AICS) (NICNAS)	Graphite 7782-42-5	Listed
Australian Hazardous Substances Information System List (HCIS)	Graphit7782-42-5	Not Listed
Australian Exposure Standards (HCIS, SWA)	Graphite 7782-42-5	Listed
International Agency for Research on Cancer (IARC) Monographs	Graphit7782-42-5	Not Listed
Poisons Schedule	Graphite 7782-42-5	Not Listed

16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.