



SAFETY DATA SHEET

According to Safe Work Australia

Printing date: 31.01.23

Revision: 31.01.23

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: DYNAGRIP GRAPHITE POWDER P/N 16047 - 10GM, 16048 - 35GM

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Lubricant, door locks, hinges, bearings.

Details of Manufacturer or Importer:

AFC International Pty Ltd
21-23 Hobart Street
Riverstone NSW 2765

Phone Number: +61 2 9627 7125

Emergency telephone number: +61 2 9627 7125

2 . HAZARDS IDENTIFICATION

Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS.

Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

Other Hazards

No information provided.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient	CAS no	Content
Graphite	7782-42-5	100%

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

See Section 11 for more detailed information on health effects and symptoms.



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(Contd. of page 1)

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water fog or foam. Prevent contamination of drains and waterways.

Specific Hazards Arising from the Chemical:

Combustible. May evolve carbon oxides and hydrocarbons when heated to decomposition. Dust may form explosive mixtures with air.

Special Protective Equipment and Precautions for Fire Fighters:

Fire Fighters should wear Self Contained Breathing Apparatus and full protective clothing appropriate to the principal fire hazard or the source of the fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust. Do not touch or walk through spilt material.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

It is recommended that personnel involved in cleaning up any spills should wear protective equipment to prevent skin and eye contamination and inhalation of airborne dust. Vacuum if possible to avoid airborne dust. Graphite is slippery to walk on so wash with water and collect. Large spills – scoop up with shovels and clean up with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Contaminated work clothing must not be allowed out of the workplace. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Protect from direct sunlight. Do not store above 30 °C. Keep in original container tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers.

(Contd. on page 3)



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(Contd. of page 2)

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

National Exposure Standards: Graphite - TWA ppm 3mg/m³. This is an average airborne concentration when calculated over a normal 8 hour day for a 5 day working week.

Biological Limits:

No biological limit values have been entered for this product.

Engineering Controls:

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Wet where possible.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the

Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Powder
Colour:	Black
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	Not applicable.
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	Not determined
Vapour Density:	Not determined
Evaporation Rate:	Not applicable
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	No information available

(Contd. on page 4)



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(Contd. of page 3)

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Excess heat and incompatible materials.

Incompatible Materials: Incompatible with oxidising agents (e.g. hypochlorites) and acids (e.g. nitric acid).

Hazardous Decomposition Products: May evolve carbon oxides and hydrocarbons when heated to decomposition.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

This product is expected to be of low acute toxicity. Under normal conditions of use, adverse health effects are not anticipated.

Acute Health Effects

Inhalation: Breathing of dust may cause respiratory irritation.

Skin: Not classified as a skin irritant. Prolonged or repeated contact may result in mild irritation and rash.

Eye: Not classified as an eye irritant. Contact may result in mild irritation, lacrimation and redness.

Ingestion: No long term effects.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: Insufficient data available to classify as a reproductive toxin.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Chronic exposure may result in lung disease (graphite pneumoconiosis), which is more likely in those also exposed to silica. Graphite pneumoconiosis is more common following exposure to natural graphite than synthetic graphite (possibly because of silica impurities).

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

The prolonged and repeated exposure (by inhalation) to respirable (crystalline) silica cause silicosis, a debilitating lung disease. The crystalline silica dust is practically insoluble in body fluids and can be deposited in lungs. Cigarette smoking can reduce the clearance of crystalline silica. The data indicate that the relative lung cancer risk is increased for people with silicosis.

Existing Conditions Aggravated by Exposure: No information available

(Contd. on page 5)



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(Contd. of page 4)

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No information available**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**Other adverse effects:** No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

Transport Information: Classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

15 . REGULATORY INFORMATION

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.**Risk Phrases:** None allocated.**Safety Phrases:** None allocated.**AICS (Australia):** All substances are listed on AICS or exempt.

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 31.01.2023**Abbreviations and acronyms:**

AICS: Australian Inventory of Chemical Substances

ADG: Australian Code for the Transport of Dangerous Goods by Road & Rail

mg/m³: Milligrams per Cubic Metre

TWA: Time Weighted Average

ppm: Parts Per Million

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. AFC International Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.