SAFETY DATA SHEET

1. Identification

Product identifier — **Tire Glide**

Other means of identification

SDS number — **873500**

Recommended use — Lubricant

Recommended restrictions — For industrial use only.

Manufacturer/Importer/Supplier/Distributor information

Company name — Petron Corporation
Address — 16800 W. Glendale Drive
New Berlin, WI 53151
Telephone No. — 262-797-4680
Email — info@petroncorp.com
Emergency phone No. — U.S.: CHEMTREC: +1-703-741-5970
International: CHEMTREC: +1-800-424-9300

2. Hazard(s) identification

Physical hazards — Not classified.
Health hazards — Not classified.
OSHA defined hazards — Not classified.
Label elements
Hazard symbol — None
Signal word — None
Hazard statement — None
Precautionary statement
Prevention — P264 - Wash hands thoroughly after handling.
Response — None
Storage — P401 - Store away from incompatible materials.
Disposal — P501 - Dispose of contents in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) — None

3. Composition/information on ingredients

Mixtures

Chemical Name	CAS Number	% in Formula
Graphite	7782-42-5	15 - 25

4. First-aid measures

Inhalation — Move to fresh air.

Skin contact — Wash with soap and water.

Eye contact — Flush thoroughly with water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if symptoms persist.

Ingestion — Get immediate medical attention. Do not induce vomiting.

5. Fire-fighting measures

Suitable extinguishing media — Dry chemical extinguisher, water, sand, limestone powder.

Specific hazards arising from the chemical — At temperatures above 1500 C, graphite reacts with substances containing oxygen, including water and carbon dioxide. In case of intensely hot fire events, use sand to cover and isolate graphite.

Special protective equipment and precautions for firefighters — Use self-contained air pack, gloves, and safety goggles.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures — Wear approved dust mask, safety goggles, and water-proof work gloves. Graphite is electrically conductive and any cleanup methods should avoid contacting graphite with electrical circuitry.

Methods and materials for containment and cleaning up

Absorb spillage with a non-combustible absorbent material. Collect in approved containers and seal securely. Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

7. Handling and Storage

Precautions for safe handling

Keep containers closed when not in use. Loosen closures slowly. Graphite is a conductor of electricity. Avoid contact between graphite and electrical circuitry.

Conditions for safe storage, including any incompatibilities

Protect from freezing. Keep container tightly closed in a dry and well-ventilated place. Graphite is incompatible with all oxidizing agents.

8. Exposure controls/personal protection

Occupational exposure limits

Components	CAS No.	Type	Value	Form	Source
Graphite	7782-42-5	PEL TWA	2 mg/m^3	Respirable dust	ACGIH

Note: The information is for guidance only. Follow applicable regulations.

Appropriate engineering controls

Use adequate dust collection to maintain dust levels below the control or recommended values.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses with side shields or goggles.

Skin protection

Wear protective gloves and clothing.

Respiratory protection

Use approved dust mask.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Graphite spilled on pedestrian surfaces may pose a significant slip hazard.

9. Physical and chemical properties

Appearance	
Physical state	Liquid
Color	Gray to black
Odor	Mild
pH	9.5 – 10.5
Freezing point	32 °F (0 °C)
Boiling range	212 °F (100 °C)
Flash point	Not available
Evaporation rate	As water
Specific gravity	1.14 g/ml
Upper/lower explosive limits	
Explosive limit - lower (%)	Not available
Explosive limit - upper (%)	Not available
Vapor pressure	As water
Vapor density	As water
Solubility(ies)	
Solubility (water)	Dispersible
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available

10. Stability and reactivity

Chemical stability

The product is stable under normal conditions of use, storage and transport.

Possibility of hazardous reactions

Hazardous polymerization does not occur.

Conditions to avoid

Graphite will begin to oxidize at temperatures above 450 °C.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon dioxide (CO_2), carbon monoxide (CO).

11. Toxicological information

Acute toxicity

Product	Ingestion LD_{50}	Ingestion LD_{50}
Tire Glide	>2,000 mg/kg rat	>2,000 mg/m^3 rat

Information on likely routes of exposure

Inhalation Not available.

Skin contact Not available.

Eye contact Not available.

Ingestion Not available.

Skin corrosion/irritation Not irritating.

Serious eye damage/eye irritation Not irritating.

Chronic toxicity

Germ cell mutagenicity Not expected to be a germ cell mutagen.

Carcinogenicity Not expected to cause cancer.

Reproductive toxicity (rat) NOAEL > 1000 mg/kg bw.

12. Ecological information

Persistence and degradability Graphite is a reduced form of carbon and will not degrade further under normal conditions. This form of carbon is stable, unreactive in water under ambient conditions, and is insoluble.

Bioaccumulative potential Not expected to be bioaccumulative.

Mobility in soil Not expected to be mobile in soil.

Aquatic toxicity

Test	Effect dose	Exposure time	Remarks
Acute fish toxicity	LC_{50} > 100 mg/l	96 hour	No adverse reaction observed.
Acute daphnia toxicity	EC_{50} > 100 mg/l	48 hour	No adverse reaction observed.
Acute algae toxicity	EC_{50} > 100 mg/l	72 hour	No adverse reaction observed.

13. Disposal considerations

Disposal instructions Dispose in accordance with applicable federal, state, and local regulations.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transportation information

Proper shipping name Not available.

Transport hazard class Not available.

Packing group Not available.

Marine pollutant? No

15. Regulatory information

International inventories

Country(s) or region	Inventory name	On inventory (yes/no) *
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Asia PAC	Asia-Pacific Chemical Inventory Search System (APCISS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 18-August-2023

List of abbreviations

ACGIH: American Conference of Industrial Hygienists
bw: body weight
NOAEL: No observed adverse effect level
OSHA: Occupational Health and Safety Administration
PEL: Permissible exposure limit
TWA: Time weighted average

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.