

Safety Data Sheet

Ceramic Disc Brake Grease

Section 1. Identification

Product Identifier Ceramic Disc Brake Grease

Synonyms 49660

Manufacturer Stock Numbers 143517

Recommended use Refer to Technical Information

Uses advised against Refer to Technical Information

Supplier Contact

Address Engineering Adhesives & Lubricants (Aust) Pty Ltd
3/119 Olympic Circuit
Southport QLD 4215

Phone
(07) 5531-4242

Emergency Phone
13 1126
Poisons Information
Centre

Fax
(07) 5531-4243

Section 2. Hazards Identification

Classification N/A

Signal Word

Pictogram

Hazard Statements No known significant effects or critical hazards.

Precautionary Statements

Response N/A

Prevention N/A

Storage N/A

Disposal N/A

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

Additional Information

While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
107-21-1	Ethylene Glycol	1% - <3%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Description of necessary first aid measures

EYE CONTACT:
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

INHALATION:
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SKIN CONTACT:
Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

INGESTION:
Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects (acute and delayed)

Potential acute health effects
No known significant effects or critical hazards.

Overexposure signs/symptoms
No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician
Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

No specific treatment.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11).

Note

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use dry chemical, carbon dioxide, water spray (fog) or foam.
Unsuitable Extinguishing Media	None known
Specific hazards arising from the chemical	No specific fire or explosion hazard.
Hazardous thermal decomposition products	Decomposition products may include the following materials: Carbon dioxide Carbon monoxide Halogenated compounds Metal oxide/oxides
Special protective actions for fire fighters	No special precaution is required.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	<p>For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.</p> <p>For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p> <p>Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p>
Methods and materials for containment and cleaning up	<p>SMALL SPILL Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.</p> <p>LARGE SPILL Move containers from spill area. Prevent entry into sewers, water courses,</p>

basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and Storage

Precautions for safe handling

Protective measures:
Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene:
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Ethylene Glycol	50 mg/m ³	40 ppm	40 ppm

Personal Protective Equipment

Goggles, Gloves

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures:
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid

splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection:

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training and other important aspects of use.

Section 9. Physical and Chemical Properties

Physical State	Semi-solid
Color	Purple
Odor	Mild
Odor Threshold	Not available
Solubility	Insoluble in water
Partition coefficient Water/n-octanol	Not available
VOC%	N/A
Viscosity	Not available
Specific Gravity	1.03
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	260C 500F
FP Method	Cleveland
pH	Not available
Melting Point	Not available
Boiling Point	Not available
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not available

Flammability	see note below
Decomposition Temperature	Not available
Auto-ignition Temperature	Not available
Vapor Pressure	Not available
Vapor Density	Not available

Flammability (solid, gas) Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.

Note The above information is not intended for use in preparing product specifications.

Section 10. Stability and Reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Do not heat above flash point.
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Information on toxicological effects	<p>Acute toxicity</p> <p>Ethenediol</p> <p>LD50 Oral</p> <p>Rat</p> <p>Dose: 4700 mg/kg</p> <p>Irritation/Corrosion</p> <p>Ethenediol</p> <p>Eyes - Mild irritant</p> <p>Rabbit</p> <p>Exposure: 24 hours 500 mg</p> <p>Eyes - Mild irritant</p> <p>Rabbit</p> <p>Exposure: 1 hour 100 mg</p> <p>Eyes - Moderate irritant</p> <p>Rabbit</p> <p>Exposure: 6 hours 1440 mg</p> <p>Skin - Mild irritant</p>
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Rabbit
Exposure: 555mg

Sensitization
There is no data available.

Mutagenicity
There is no data available.

Carcinogenicity
ACGIH A4

Reproductive toxicity
There is no data available.

Teratogenicity
There is no data available.

Specific target organ toxicity (single exposure)
There is no data available.

Specific target organ toxicity (repeated exposure)
There is no data available.

Aspiration hazard
There is no data available.

Information on likely routes
of exposure

Ingestion

Potential acute health
effects

Eye contact:
No known significant effects or critical hazards.

Inhalation:
No known significant effects or critical hazards.

Skin contact:
No known significant effects or critical hazards.

Ingestion:
No known significant effects or critical hazards.

Symptoms related to the
physical, chemical and
toxicological characteristics

Eye contact:
No known significant effects or critical hazards.

Inhalation:
No known significant effects or critical hazards.

Skin contact:
No known significant effects or critical hazards.

Ingestion:
No known significant effects or critical hazards.

Delayed and immediate effects

Short term exposure
Potential immediate effects
No known significant effects or critical hazards.

Potential delayed effects
No known significant effects or critical hazards.

Long term exposure
Potential immediate effects
No known significant effects or critical hazards.

Potential delayed effects
No known significant effects or critical hazards.

Potential chronic health effects

General:
No known significant effects or critical hazards.

Carcinogenicity:
No known significant effects or critical hazards.

Mutagenicity:
No known significant effects or critical hazards.

Teratogenicity:
No known significant effects or critical hazards.

Developmental effects:
No known significant effects or critical hazards.

Fertility effects:
No known significant effects or critical hazards.

Section 12. Ecological Information

Toxicity

Ethanediol
Acute LC50 6900000 µg/L Fresh water
Crustaceans - Ceriodaphnia dubia - Neonate
48 hours

Acute LC50 41000000 µg/L Fresh water
Daphnia - Daphnia magna - Neonate
48 hours

Acute LC50 8050000 µg/L Fresh water
Fish - Pimephales promelas
96 hours

Persistence and degradability

There is no data available.

Bioaccumulative potential

Ethanediol
LogPow: -1.36
BCF: -

Mobility in soil

Potential: Low

Soil/water partition coefficient (KOC)

Not available

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport Information

UN Number

N/A

UN Proper Shipping Name

Not regulated

DOT Classification

Not regulated

Packing Group

Not regulated

TDG

Not Regulated

IMDG

Not regulated

IATA

Not regulated

AERG

Not applicable

Special precautions for user:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory Information

Important

This product does not dry or produce dust under normal use. Since the product is in paste/grease form, the risk of exposure to dust is minimal or non-existent and the related hazard statements are therefore not shown in this SDS even if some hazardous ingredients are listed in this Section for other regulatory requirements.

Section 16. Other Information

Revision Date

18/04/2019

Disclaimer

The data contained herein is based upon information that Engineering Adhesives & Lubricants (Aust) Pty Ltd believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.