CRC® Brake Caliper Synthetic Grease, 12 Wt Oz

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)
Issue date: 3/24/2025 Version: 1.0

SECTION 1: Identification

1.1. Identification

Trade name	:	CRC® Brake Caliper Synthetic Grease, 12 Wt Oz
Product code	:	1003789
Part number	:	05353

1.2. Recommended use and restrictions on use

Recommended use	:	Lubricating grease for brakes
Restrictions on use	:	None known

1.3. Supplier

CRC Industries, Inc.
885 Louis Dr.
Warminster, PA 18974
United States
T 1-800-556-5074
crcindustries.com

1.4. Emergency telephone number

Emergency number	:	1-800-424-9300 24-Hour Emergency

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Precautionary statements (GHS US)	:	Use only outdoors or in a well-ventilated area. Maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Store away from incompatible materials

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
polypropylene glycol monobutyl ether	α-Butyl-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)]	CAS-No.: 9003-13-8	80 – 100
Silica, amorphous, fumed, cryst.-free	Polydimethylsiloxane	CAS-No.: 112945-52-5	5 – 10
Graphite	Graphite	CAS-No.: 7782-42-5	5 – 10
Molybdenum sulfide (MoS2)	Molybdenum sulfide	CAS-No.: 1317-33-5	1 – 5
ethanediol, ethylene glycol	1,2-Ethanediol ; Ethylene glycol	CAS-No.: 107-21-1	0.1 – 1

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth out with water.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Prolonged inhalation may be harmful.

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Evacuate unnecessary personnel.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Absorb spillage to prevent material-damage. Notify authorities if product enters sewers or public waters.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.

Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination.

Additional Regulatory Information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wear personal protective equipment. For product usage instructions, see the product label.

Hygiene measures : Do not eat, drink or smoke when using this product. 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.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Store in a cool, dry place out of direct sunlight.

Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethanediol, ethylene glycol (107-21-1)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethylene glycol

ethanediol, ethylene glycol (107-21-1)	
ACGIH OEL TWA	25 ppm (V - Vapor fraction)
ACGIH OEL STEL	10 mg/m³ (I - Inhalable particulate matter, H - Aerosol only)
	50 ppm (V - Vapor fraction)
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024

Silica, amorphous, fumed, cryst.-free (112945-52-5)	
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	0.8 mg/m³
	20 mppcf
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL TWA	6 mg/m³

Graphite (7782-42-5)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Graphite (all forms excepte graphite fibers)
ACGIH OEL TWA	2 mg/m³ (R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Pneumoconiosis
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Graphite (Natural)
OSHA PEL TWA	15 mppcf
Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts
USA - NIOSH - Occupational Exposure Limits	
Local name	Graphite (Natural)
NIOSH REL 10h TWA	2.5 mg/m³ (Respirable fraction)
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-3 Mineral Dusts (NIOSH Pocket Guide to Chemical Hazards (NPG))

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Materials for protective clothing:
Wear suitable protective clothing

Hand protection:
Wear protective gloves such as: Nitrile

Eye protection:
Wear safety glasses with side shields (or goggles).

Respiratory protection:
If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Color	:	Black
Odor	:	mild
Odor threshold	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flammability (solid, gas)	:	No data available
Explosion limits	:	No data available
Flash point	:	500 °F (260 °C) [Cleveland]
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Solubility	:	Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Vapor pressure	:	No data available
Evaporation rate	:	No data available
Density and/or relative density		
Density	:	No data available
Relative density	:	1.01
Relative vapor density at 20°C	:	No data available
Particle characteristics	:	No data available
Molecular mass	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Additional Regulatory Information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2). Metal oxides. Sulfur oxides (SOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Symptoms/effects after inhalation : Prolonged inhalation may be harmful.
Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting.
Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

ethanediol, ethylene glycol (107-21-1)	
LD50 oral rat	7712 mg/kg Source: ECHA
LD50 dermal	10600 mg/kg body weight
LC50 Inhalation - Rat (Dust/Mist)	> 2500 mg/l

Silica, amorphous, fumed, cryst.-free (112945-52-5)	
LD50 oral rat	> 3100 mg/kg Source: OECD Screening Information Data Set

Graphite (7782-42-5)	
LD50 oral rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	> 2000 mg/l Source: ECHA

polypropylene glycol monobutyl ether (9003-13-8)	
LD50 oral rat	300 – 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rabbit	21000 mg/kg Source: National Library of Medicine/Hazardous Substances Data Bank

Molybdenum sulfide (MoS2) (1317-33-5)	
LD50 dermal rabbit	> 2000 mg/kg Source: ChemIDplus
LC50 Inhalation - Rat	> 2820 mg/m³

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Silica, amorphous, fumed, cryst.-free (112945-52-5)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Graphite (7782-42-5)	
NOAEL (oral,rat,90 days)	≥ 10000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Viscosity, kinematic : No data available

ethanediol, ethylene glycol (107-21-1)	
Viscosity, kinematic	14.459 mm²/s

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

ethanediol, ethylene glycol (107-21-1)	
LC50 - Fish [1]	72860 mg/l Source: ECHA
EC50 - Crustacea [1]	13900 – 57600 mg/l Source: ECHA
EC50 - Other aquatic organisms [1]	> 100 mg/l waterflea
EC50 96h - Algae [1]	6500 – 13000 mg/l Source: ECHA
NOEC (chronic)	≥ 1000 mg/l Test organisms (species): Americamysis bahia (previous name: Mysidopsis bahia) Duration: '23 d'
NOEC chronic crustacea	100 mg/l

Graphite (7782-42-5)	
LC50 - Fish [1]	100 mg/l Source: ECHA
EC50 72h - Algae [1]	19 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	7.2 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
ErC50 algae	100 mg/l Source: ECHA
NOEC (chronic)	47 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

polypropylene glycol monobutyl ether (9003-13-8)	
LC50 - Fish [1]	104 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
LC50 - Other aquatic organisms [1]	17 mg/l Source: ECOTOX

12.2. Persistence and degradability

CRC® Brake Caliper Synthetic Grease, 12 Wt Oz	
Persistence and degradability	No data is available on the degradability of this product.

12.3. Bioaccumulative potential

ethanediol, ethylene glycol (107-21-1)	
Partition coefficient n-octanol/water (Log Pow)	-1.36

12.4. Mobility in soil

ethanediol, ethylene glycol (107-21-1)	
Mobility in soil	0.2 Source: HSDB
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Dispose of contents/container in accordance with local/regional/national regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Do not allow to enter sewers, surface or groundwater.

Product/Packaging disposal recommendations : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.

Hazardous waste code : This product is not a RCRA hazardous waste (See 40 CFR Part 261.20 – 261.33).

However, it is the generator's responsibility to determine the proper classification and disposal method at the time of disposal.

Additional information : Do not re-use empty containers.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
Not regulated.	Not regulated.	Not regulated.
14.2. Proper Shipping Name		
Not regulated.	Not regulated.	Not regulated.
14.3. Transport hazard class(es)		
Not regulated.	Not regulated.	Not regulated.
14.4. Packing group		
Not regulated.	Not regulated.	Not regulated.
14.5. Environmental hazards		
No supplementary information available		

14.6. Special precautions for user

DOT

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Toxic Substances Control Act (TSCA)

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory			
Name	CAS-No.	Commercial status	Flags
ethanediol, ethylene glycol	107-21-1	Active	
Silica, amorphous, fumed, cryst.-free	112945-52-5	Active	
Graphite	7782-42-5	Active	
polypropylene glycol monobutyl ether	9003-13-8	Active	XU
Molybdenum sulfide (MoS2)	1317-33-5	Active	

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

ethanediol, ethylene glycol (107-21-1)	Listed on EPA Hazardous Air Pollutant (HAPS)

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance

Not listed

CERCLA RQ	
ethanediol, ethylene glycol (107-21-1)	5000 lb

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986)

Section 302 Extremely Hazardous Substance

Not listed

Section 304 Emergency Release Notification

Not listed

Sections 311/312 Hazard Classification

Not listed

Section 313 (TRI Reporting)

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

ethanediol, ethylene glycol	CAS-No.107-21-1	0.1 – 1%

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm. For more information go to www.P65Warnings.ca.gov.

State Regulations

Component	State Regulations
ethanediol, ethylene glycol(107-21-1)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
Graphite(7782-42-5)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Rhode Island - Hazardous Substance List
Molybdenum sulfide (MoS2)(1317-33-5)	U.S. - Massachusetts - Right To Know List; U.S. - New York City - Right to Know Hazardous Substances List

15.4 Other Regulatory Information

Volatile organic compound (VOC) regulation

EPA

VOC content (40 CFR 51.100(s))	0 %
Consumer products (40 CFR 59, Subpt. C))	Not regulated.

State

Consumer products	Not regulated.
VOC Content (CA)	0 %
VOC Content (OTC)	0 %

SECTION 16: Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

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Safety Data Sheet (SDS), USA, CRC

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