

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Revision Date 06-Mar-2025 Version 1

1. Identification

Product identifier

Product Name CERAMIC EXTREME BRAKE PARTS LUBRICANT 8 FL.OZ

Other means of identification

Product Code 24125

Synonyms CAN Item Number 24126

Recommended use of the chemical and restrictions on use

Recommended Use Grease

Restrictions on use No information available

Details of the supplier of the safety data sheet

Manufacturer Address

| STW Parmeters | ITW Pa

ITW Permatex, Inc.

ITW Permatex Canada
6875 Parkland Blvd.

101-2360 Bristol Circle

Solon, Ohio 44139 USA Oakville, ON Canada L6H 6M5 Telephone: 1-87-Permatex Telephone: (800) 924-6994

(866) 732-9502

E-mail address mail@permatex.com

Emergency telephone number

24 Hour Emergency Phone Number Chem-Tel: 800-255-3924

International Emergency: 00+1+ 813-248-0585

Contract Number: MIS0003453

24-hour emergency phone number No information available

2. Hazard(s) identification

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4

Label elements

Contains ETHANEDIOL



Warning

Hazard statements

Harmful if swallowed. Harmful if inhaled.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust, fume, gas, mist, vapors and spray. Use only outdoors or in a well-ventilated area.

Precautionary Statements - Response

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor if you feel unwell.

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

Rinse mouth.

Precautionary Statements - Disposal

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

Unknown acute toxicity

98 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

98 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

98 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Other Information

No information available.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Synonyms

CAN Item Number 24126.

Chemical name	CAS No.	Weight-%	Information Review	Date HMIRA filed and date exemption granted (if applicable)
ETHANEDIOL	107-21-1	1-5%	-	-

4. First-aid measures

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give

artificial respiration. Get medical attention immediately.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin contact Wash skin with soap and water.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Get medical attention.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination. Avoid breathing vapors or mists. Use personal protective equipment as required. See section 8 for more information.

Most important symptoms and effects, both acute and delayed

Symptoms Coughing and/ or wheezing. Difficulty in breathing.

Effects of Exposure No information available.

Indication of any immediate medical attention and special treatment needed

5. Fire-fighting measures

surrounding environment.

Small Fire In case of fire, use water spray, foam, dry chemical, or CO2. Large Fire In case of fire, use water spray, foam, dry chemical, or CO2.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

No information available.

Hazardous combustion products No information available.

Explosion data

Sensitivity to mechanical impact None. **Sensitivity to static discharge** None.

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Avoid breathing vapors or mists. Use personal protective

equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing

vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach

of children.

8. Exposure controls/personal protection

Control Parameters Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
ETHANEDIOL	TWA: 25 ppm vapor fraction	(vacated) Ceiling: 50 ppm	-
107-21-1	STEL: 50 ppm vapor fraction	(vacated) Ceiling: 125 mg/m ³	
	STEL: 10 mg/m³ inhalable		
	particulate matter, aerosol		
	only		

Chemical name	Alberta	British Columbia	Ontario	Quebec
ETHANEDIOL	Ceiling: 100 mg/m ³ ;	TWA: 10 mg/m ³ ; total;	TWA: 25 ppm; vapor	Ceiling: 50 ppm; mist
107-21-1		aerosol only	fraction	and vapour
		STEL: 20 mg/m ³ ; total;	STEL: 50 ppm; vapor	Ceiling: 127 mg/m ³ ; mist
		aerosol only	fraction	and vapour
		Ceiling: 100 mg/m ³ ;	STEL: 10 mg/m ³ ;	
		total; aerosol only	inhalable particulate	
		Ceiling: 50 ppm; vapour	matter, aerosol only	

Chemical name	Manitoba	New Brunswick	Newfoundland and	Nova Scotia
			Labrador	
ETHANEDIOL	TWA: 25 ppm; vapor	Ceiling: 100 mg/m ³ ;	TWA: 25 ppm; vapor	TWA: 25 ppm; vapor
	fraction	aerosol only	fraction	fraction
	STEL: 50 ppm; vapor	•	STEL: 50 ppm; vapor	STEL: 50 ppm; vapor
	fraction		fraction	fraction
	STEL: 10 mg/m ³ ;		STEL: 10 mg/m ³ ;	STEL: 10 mg/m ³ ;
	inhalable particulate		inhalable particulate	inhalable particulate
	matter, aerosol only		matter, aerosol only	matter, aerosol only

	Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
Ī	ETHANEDIOL	Ceiling: 100 mg/m ³ ;	TWA: 25 ppm; vapor	Ceiling: 100 mg/m ³ ;	TWA: 10 mg/m ³ ;
١		aerosol	fraction	aerosol	particulate
١			STEL: 50 ppm; vapor		TWA: 100 ppm; vapour

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Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
		fraction		TWA: 250 mg/m ³ ;
		STEL: 10 mg/m ³ ;		vapour
		inhalable particulate		STEL: 10 ppm;
		matter, aerosol only		particulate
				STEL: 20 mg/m ³ ;
				particulate
				STEL: 125 ppm; vapour
				STEL: 325 mg/m ³ ;
				vapour

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

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

Hand protection Wear suitable gloves.

Skin and body protectionWear suitable protective clothing.

Respiratory protection Use appropriate respiratory protection.

General hygiene considerations Do not eat, drink or smoke when using this product.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Paste / Gel
Appearance Paste
Color Purple

Odor No information available Odor threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH No data available

Melting point / freezing point

Boiling point / boiling range
Flash point No data available
No data available
No data available
> 260 °C / 500 °F

Evaporation rate < 1
Flammability (solid, gas) No data available

Flammability Limit in Air

Upper flammability limit:

Lower flammability limit:

Vapor pressure

Vapor density

No data available

No data available

No data available

No data available

Relative density
Water solubility
Solubility(ies)
Partition coefficient
Autoignition temperature
Decomposition temperature
No data available
No data available
No data available

Cleveland Open Cup Butyl acetate = 1

Kinematic viscosity

No data available

Pynamic viscosity

No data available

Particle characteristics

Particle Size No data available Particle Size Distribution No data available

Other information

Explosive properties

Oxidizing properties

No information available
VOC content
2
Density
No information available
No information available
No information available

10. Stability and reactivity

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization No information available.

Conditions to avoid Excessive heat.

Incompatible materialsNone known based on information supplied.

Hazardous decomposition products Carbon oxides. Halogenated compounds. Metal oxides.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. Harmful by inhalation. (based

on components).

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available. Harmful if swallowed. (based

on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Coughing and/ or wheezing.

Acute toxicity Harmful if swallowed. Harmful by inhalation.

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

 ATEmix (oral)
 500.00 mg/kg

 ATEmix (dermal)
 10,600.00 mg/kg

 ATEmix (inhalation-gas)
 99,999.00 ppm

 ATEmix (inhalation-vapor)
 99,999.00 mg/l

 ATEmix (inhalation-dust/mist)
 3.75 mg/l

Unknown acute toxicity

98 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

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Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
ETHANEDIOL	= 4700 mg/kg (Rat)	= 10600 mg/kg (Rat)	> 2.5 mg/L (Rat)6 h
107-21-1			

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritationNo information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
ETHANEDIOL	A4 - Not Classifiable as	-	-	-
107-21-1	a Human Carcinogen			

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposureNo information available.

Aspiration hazard No information available.

12. Ecological information

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
ETHANEDIOL 107-21-1	EC50: 6500 - 13000mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =41000mg/L (96h, Oncorhynchus mykiss) LC50: 14 - 18mL/L (96h, Oncorhynchus mykiss) LC50: =27540mg/L (96h, Lepomis macrochirus) LC50: =40761mg/L (96h, Oncorhynchus	-	EC50: =46300mg/L (48h, Daphnia magna)

mykiss) LC50: 40000 - 60000mg/L (96h,	
Pimephales promelas) LC50: =16000mg/L	
(96h, Poecilia reticulata)	

Persistence and degradability

No information available.

Bioaccumulation

Component Information

Chemical name	Partition coefficient	
ETHANEDIOL	-1.36	
107-21-1		

Other adverse effects

No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging

Do not reuse empty containers.

US EPA Waste Number

Waste designations and classifications should be determined by the end user based on the

application for which the product was used.

14. Transport information

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

TSCA Complies DSL/NDSL Complies Complies **EINECS/ELINCS** Complies **ENCS** Complies **IECSC** Complies **KECI PICCS** Complies **AICS** Complies **NZIoC** Complies

Leaend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing Chemicals Inventory

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
ETHANEDIOL - 107-21-1	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
ETHANEDIOL	5000 lb /	-	RQ 5000 lb final RQ
107-21-1	kg (final RQ)		RQ 2270 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical name		California Proposition 65	
	ETHANEDIOL - 107-21-1	Developmental	

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
ETHANEDIOL	X	X	X
107-21-1			

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPAHealth hazards2Flammability1Instability0Special hazards-HMISHealth hazards1Flammability1Physical hazards0Personal protectionX

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT: Specific Target Organ Toxicity

ATE: Acute Toxicity Estimate LC50: 50% Lethal Concentration

LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value * Skin designation

+ Sensitizers

Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

U.S. Environmental Protection Agency Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set

United Nations World Health Organization (WHO)

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Revision Note No information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.