



# SAFETY DATA SHEET

Revision Date 29-Jan-2020

Version 6

## 1. IDENTIFICATION

### Product identifier

**Product Name** ULTRA DISC BRAKE SYNTHETIC LUBRICANT 4 GR

### Other means of identification

**Product Code** 09977

### Recommended use of the chemical and restrictions on use

**Recommended Use** Grease

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ITW Permatex  
6875 Parkland Blvd.  
Solon, Ohio 44139 USA  
Telephone: 1-87-Permatex  
(866) 732-9502

#### 24-hour emergency phone number

Chem-Tel: 800-255-3924  
International Emergency:  
00+1+ 813-248-0585  
Contract Number: MIS0003453

#### May Also Be Distributed by:

ITW Permatex Canada  
101-2360 Bristol Circle  
Oakville, ON Canada L6H 6M5  
Telephone: (800) 924-6994

**E-mail address:** mail@permatex.com

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label elements

#### **Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Apple

**Physical state** Semi-Solid

**Odor** Mild

#### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

May be harmful if swallowed.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

| Chemical Name | CAS No   | Weight-% |
|---------------|----------|----------|
| ETHANEDIOL    | 107-21-1 | <3       |

**4. FIRST AID MEASURES**

**Description of first aid measures**

|   |   |
|---|---|
| <b>General advice</b>                     | Get medical advice/attention if you feel unwell.  |
| <b>Eye contact</b>                        | Rinse eyes.   |
| <b>Skin contact</b>                       | Wash skin with soap and water.  |
| <b>Inhalation</b>                         | None under normal use conditions.   |
| <b>Ingestion</b>                          | Clean mouth with water.   |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** See section 2 for more information.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam

**Unsuitable extinguishing media**

None

**Specific hazards arising from the chemical**

None in particular.

**Explosion data**

**Sensitivity to Mechanical Impact** None.  
**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with eyes and skin.

### Environmental precautions

**Environmental precautions** See section 12 for additional ecological information.

### 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** Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

**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** Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Strong oxidizing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name          | ACGIH TLV   | OSHA PEL  | NIOSH IDLH |
|------------------------|---|---|------------|
| ETHANEDIOL<br>107-21-1 | STEL: 50 ppm vapor fraction<br>STEL: 10 mg/m <sup>3</sup> inhalable<br>particulate matter, aerosol only<br>TWA: 25 ppm vapor fraction | (vacated) Ceiling: 50 ppm<br>(vacated) Ceiling: 125 mg/m <sup>3</sup> | -          |

*NIOSH IDLH Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate engineering controls

**Engineering Controls** Eyewash stations

### Individual protection measures, such as personal protective equipment

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

**Skin and body protection** Rubber gloves.

**Respiratory protection** None under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

eyes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

**Physical state** Semi-Solid  
**Appearance** Apple  
**Odor** Mild  
**Odor threshold** No information available

| <u>Property</u>   | <u>Values</u>            | <u>Remarks • Method</u> |
|---|--------------------------|-------------------------|
| pH  | No information available |                         |
| <b>Melting point / freezing point</b>                     | No information available |                         |
| <b>Boiling point / boiling range</b>                      | No information available |                         |
| <b>Flash point</b>  | > 260 °C / > 500 °F      | Cleveland Open Cup      |
| <b>Evaporation rate</b>                                   | < 1                      | Butyl acetate = 1       |
| <b>Flammability (solid, gas)</b>                          | No information available |                         |
| <b>Flammability Limit in Air</b>                          |                          |                         |
| <b>Upper flammability limit:</b>                          | No information available |                         |
| <b>Lower flammability limit:</b>                          | No information available |                         |
| <b>Vapor pressure</b>                                     | No information available |                         |
| <b>Vapor density</b>                                      | No information available |                         |
| <b>Relative density</b>                                   | 0.994                    |                         |
| <b>Water solubility</b>                                   | Insoluble in water       |                         |
| <b>Solubility(ies)</b>                                    | No information available |                         |
| <b>Partition coefficient</b>                              | No information available |                         |
| <b>Autoignition temperature</b>                           | No information available |                         |
| <b>Decomposition temperature</b>                          | No information available |                         |
| <b>Kinematic viscosity</b>                                | No information available |                         |
| <b>Dynamic viscosity</b>                                  | No information available |                         |
| <b>Explosive properties</b>                               | No information available |                         |
| <b>Oxidizing properties</b>                               | No information available |                         |
| <b>Other Information</b>                                  |                          |                         |
| <b>Softening point</b>                                    | No information available |                         |
| <b>Molecular weight</b>                                   | No information available |                         |
| <b>VOC Content (%)</b>                                    | 2                        |                         |
| <b>Density</b>  | No information available |                         |
| <b>Bulk density</b>                                       | No information available |                         |
| <b>SADT (self-accelerating decomposition temperature)</b> | 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.

**Conditions to avoid**  
Excessive heat.

**Incompatible materials**  
Strong oxidizing agents

**Hazardous Decomposition Products**

Carbon oxides  
Halogenated compounds  
Metal oxides

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Inhalation** None under normal use conditions.

**Eye contact** May cause irritation.

**Skin contact** May cause skin irritation and/or dermatitis.

**Ingestion** Ingestion may cause irritation to mucous membranes.

| Chemical Name          | Oral LD50            | Dermal LD50                                      | Inhalation LC50 |
|------------------------|----------------------|--|-----------------|
| ETHANEDIOL<br>107-21-1 | = 4700 mg/kg ( Rat ) | = 9530 µL/kg ( Rabbit ) = 10600<br>mg/kg ( Rat ) | -               |

### Information on toxicological effects

**Symptoms** No information available.

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

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Target Organ Effects** Eyes, Skin, Central nervous system, Respiratory system.

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 4812 mg/kg  
ATEmix (dermal) 13271 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Mobility

No information available.

| Chemical Name          | Partition coefficient |
|------------------------|-----------------------|
| ETHANEDIOL<br>107-21-1 | -1.93                 |

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** Not applicable

**14. TRANSPORT INFORMATION**

**DOT**  
Proper shipping name: Not regulated

**IATA**  
Proper shipping name: Not regulated

**IMDG**  
Proper shipping name: (Quaternary ammonium compounds)

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies  
**EINECS/ELINCS** Complies  
**ENCS** Does not comply  
**IECSC** Complies  
**KECL** Complies  
**PICCS** Complies  
**AICS** Complies

**Legend:**

**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 and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**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**

**Acute health hazard** Yes  
**Chronic Health Hazard** No  
**Fire hazard** No  
**Sudden release of pressure hazard** No  
**Reactive Hazard** No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

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 | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|------------------------|--------------------------|----------------|--|
| ETHANEDIOL<br>107-21-1 | 5000 lb                  | -              | RQ 5000 lb final RQ<br>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<br>107-21-1 | Developmental             |

**U.S. State Right-to-Know Regulations**

| Chemical Name          | New Jersey | Massachusetts | Pennsylvania |
|------------------------|------------|---------------|--------------|
| ETHANEDIOL<br>107-21-1 | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**WHMIS Hazard Class**

Non-controlled

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|             |                  |                |                    |                       |
|-------------|------------------|----------------|--------------------|-----------------------|
| <b>NFPA</b> | Health hazards 2 | Flammability 1 | Instability 0      | -                     |
| <b>HMIS</b> | Health hazards 2 | Flammability 1 | Physical hazards 0 | Personal protection B |

NFPA (National Fire Protection Association)  
HMIS (Hazardous Material Information System)

Revision Date 29-Jan-2020

**Disclaimer**

Illinois Tool Works Inc. believes the information contained in this data sheet is accurate as of the date compiled. However, Illinois Tool Works Inc. makes no warranty, express or implied, as to the accuracy, reliability or completeness of the information. User is responsible for evaluating whether such information or this product is fit for a particular purpose and suitable for a particular use or application. The information in this data sheet may not be valid if this product is used in combination with other products or in processes for which it was not designed. Illinois Tool Works Inc. disclaims any liability for consequential or incidental damages of any kind, including lost profits, arising from the sale or use of this product. Ensure you have the most current version of this data sheet by contacting us or reviewing our web site.

**End of Safety Data Sheet**