

# Dynatex Dielectric Grease

Safety Data Sheet (Modified by Engineering Adhesives & Lubricants (Aust) Pty Ltd)



**Dynatex Dielectric Grease**

Safety Data Sheet

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## SECTION 1: Identification

### 1.1. Product identifier

Product form : Mixture  
Trade name : Dynatex Dielectric Grease  
Reference number : 143270, 143511, 143513, 507544, 604200

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Main use category : Consumer use/Professional use  
Use of the substance/mixture : Lubricant

#### 1.2.2. Uses advised against

No additional information available

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

Engineering Adhesives & Lubricants (Aust) Pty Ltd  
3/119 Olympic Circuit  
Southport, Queensland 4215  
Tel: +61 (07) 5531-4242

[info@eal.com.au](mailto:info@eal.com.au) [www.eal.com.au](http://www.eal.com.au)

### 1.4. Emergency telephone number

Emergency number : Poisons Information Centre  
13 1126 from anywhere in Australia (0800 764 766 in New Zealand)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

### 2.2. Label elements

GHS classification in accordance with the OSHA Hazard communication Standard (29 CFR 1910.1200)

Hazard pictograms (CLP):

Signal word (CLP) : None needed  
Contains :  
Hazard Statements : Not a hazardous substance or mixture.  
Precautionary Statements : Use only outdoors or in a well-ventilated area.

### 2.3. Other hazards

No data available.

## SECTION 3: Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

**Chemical nature:** Silicone Elastomer

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This product is a mixture.

Contains no hazardous ingredients according to GHS.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: First responders should pay attention to self-protection and used recommended clothing (chemical resistant gloves and splash protection). If potential for exposure exists, refer to section 8 for specific PPE.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell. Do not induce vomiting unless directed to do so by medical personnel.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact	: Skin contact may aggravate existing dermatitis. Brief contact may cause slight skin irritation with local redness. May cause drying and flaking of the skin.
Symptoms/effects after eye contact	: May cause slight eye irritation. May cause mild discomfort.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Alcohol-resistant Foam. Carbon dioxide. Unsuitable extinguishing media : None known.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Carbon oxides. Silicon oxides  
Unusual Fire and Explosion Hazards: Exposure to combustion products may be a hazard to health.

#### 5.3. Advice for firefighters

Fire Fighting Procedures: Use water spray to cool unopened containers. Evacuate area. Collect contaminated fire extinguishing water separately. Do not discharge into drains. Fire residues and contaminated fire extinguisher water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

##### 6.1.2. For emergency responders

Protective equipment Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

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### 6.2. Environmental precautions

Discharge into environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

### 6.3. Methods and material for containment and cleaning up

Wipe up or scrape up and contain for salvage or disposal. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You need to determine which regulations are applicable. For large spills, provide diking and other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.

### 6.4. Reference to other sections

For further information refer to section 7, 8, 11, 12, and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with eyes. Do not swallow. Avoid prolonged or repeated contact with skin. Take care to prevent spills, waste, and minimize release to the environment.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep in properly labelled containers. Store in accordance with local, regional, and national regulations.
Incompatible products	: Strong oxidizing agents
Unsuitable materials for containers	: None known

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

#### 8.1.2 Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

#### 8.2.2. Personal protection equipment

**Personal protective equipment symbol(s):**

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## 8.2.2.1. Eye and face protection

### Eye protection:

Safety glasses (w/ side shields)

## 8.2.2.2. Skin protection

### Skin and body protection:

Wear suitable protective clothing

### Hand protection:

Use gloves chemically resistant to this material. Chlorinated polyethylene, neoprene, nitrile/butadiene rubber, polyethylene, ethyl vinyl alcohol laminate, polyvinyl chloride, Viton, polyvinyl alcohol, and butyl rubber. NOTICE: The selection of proper gloves for a particular application and duration of use in workplace should also take into account all relevant workplace factors such as, but no limited to: other chemicals which may be handled, physical requirements (cut/puncture resistant, dexterity thermal protection), potential body reactions to glove materials, as well as instructions/specifications provided by the glove supplier.

## 8.2.2.3. Respiratory protection

### Respiratory protection:

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or were indicated by your risk assessment process. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

The following types of air-purifying respirators should be effective: Organic vapor cartridge.

## 8.2.2.4. Thermal hazards

No additional information available

## 8.2.3. Environmental exposure controls

**Environmental exposure controls:** Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Paste
Color	: Clear
Appearance	: Smooth Homogenous Paste
Odor	: Mild.
Odor threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not classified as a flammability hazard
Explosive properties	: Not available
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available

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Flash point	: Closed cup >100°C (212°F)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: Not available
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapor pressure	: Not applicable
Vapor pressure at 50 °C	: Not available
Density	: 1,027 kg/m <sup>3</sup> (20°C)
Relative density	: 1.027 (20°C)
Relative vapor density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients :

#### 9.2.2. Other safety characteristics

: 23 g/L (< 3% by volume)

VOC content : 0 g/L

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not classified as a reactivity hazard

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Can react with strong oxidizing agents. When heated to temperatures above 150°C

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Avoid contact with oxidizing materials.

### 10.6. Hazardous decomposition products

Decomposition products can include and are not limited to: Formaldehyde.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes

Acute toxicity (oral) Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. As product single does LD50 has not been determined.

Based on information from component(s):  
: LD50 >5,000 mg/kg Estimated

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Acute toxicity (dermal)	: Prolonged skin contact is unlikely to result in absorption of harmful amounts. As a product the dermal LD50 has not been determined. Based on information for the component(s): LD50 > 2,000 mg/kg Estimated
Acute toxicity (inhalation)	: Brief exposure (minutes) is not likely to cause adverse effects. Vapor from heated material may cause respiratory irritation. As product: The LC 50 has not been determined.

### Skin Corrosion/Irritation

Based on information for the component(s):  
Prolonged exposure not likely to cause significant skin irritation.  
May cause drying and flaking of the skin.

### Serious eye damage/eye irritation

Based on information for the component(s):  
May cause slight temporary eye irritation.  
May cause mild eye discomfort.

### Sensitization

For skin sensitization:  
Contains component(s) which did not cause allergic skin sensitization in guinea pigs.

For respiratory sensitization:  
No relevant information found.

### Specific Target Organ Systemic Toxicity – Single Exposure

Evaluation of the available data suggests that this material is not a STOT-SE toxicant.

### Specific Target Organ systemic Toxicity – Repeated Exposure

Based on available data for the component(s), repeated exposures are not anticipated to cause significant adverse effects.

### Carcinogenic

No relevant data found

### Teratogenicity

Contains component(s) which did not cause birth defects or any other fetal effects in lab animals.

### Reproductive Toxicity

Contains component(s) which did not interfere with reproduction in animal studies.

### Mutagenicity

In vitro genetic toxicity studies were negative for component(s) tested. Genetic toxicity studies in animals were negative for component(s) tested.

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological Information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulation Potential

No data available

### 12.4 Mobility in Soil

No data available

## SECTION 13: Disposal

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### 13.1. Waste treatment methods

We make no guarantee or warranty of any kind that the use of disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with requirements and applicable statutes.

Disposal of unused portions of this product and process waste containing product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

## SECTION 14: Transport Information

UN Number:	N/A	
UN Proper Shipping Name:	Not regulated as a dangerous good	
ADG Classification:	Not regulated as a dangerous good	
Packing Group:	Not regulated as a dangerous good	
International Regulations:	UNRTDG	Not regulated as a dangerous good
	IATA-DGR	Not regulated as a dangerous good
	IMDG-Code	Not regulated as a dangerous good

## SECTION 15: Regulatory information

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

N/A

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Disclaimer: The data contained herein is based upon information that is believed to be reliable. Users of this product have the responsibility to determine the 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.