

Dongguan Jialede Lubricating Materials Co., Ltd.
Material Safety Data Sheet
(MSDS)

Perfluoropolyether grease (PFPE grease)

1. Chemical and corporate knowledge

1.1 Product name: Perfluoropolyether grease(PFPE grease)

1.2 Product model: YBS-1768

1.3 Chemical classification: Fluorinated hydrocarbons

1.4 Product usage recommendations and usage restrictions: Lubricants

1.5 Company introduction

Manufacturer/supplier name: Dongguan Jialede Lubricating Materials Co., Ltd.

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1.6 Date of first production: 2017/03/11

2. Hazard Labels

2.1 Hazard classification: Not hazardous.

2.2 Labeling includes precautionary statements

Graphical symbols: None.

Signal word: None.

Hazard risk statement: No hazard .

Precautionary Statements: Avoid contact with skin and eyes.

In the event of fire and/or explosion, do not breathe fumes.

If in contact with eyes: Rinse carefully and repeatedly with water. If it is convenient for those who wear contact lenses, take off the contact lenses first. Then continue rinsing your eyes.

IF ON SKIN: Wash gently with plenty of soap and water.

2.3 Other hazards: Unknown.

3. Ingredient/composition information

3.1 Chemical Class: Mixture.

3.2 Hazardous Components

Chemical Name PTFE PTFE

CAS Number 60164-51-4 9002-84-0

No harmful ingredients.

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4. First aid measures

4.1 First aid measures

Eyes : Rinse immediately with water.

Skin: No first aid required.

Inhalation: No first aid required.

Oral: Seek medical attention.

Note: Symptomatic treatment.

4.2 Important symptoms and

harmful effects: Under normal use, there are no significant adverse effects.

4.3 Personal protection of first aid or rescue personnel

Respiratory protection: Respiratory protective equipment is not required.

Eye Protection: Use appropriate protection - safety glasses are a minimum requirement.

Skin protection: Wash appropriately before eating and when leaving work .

4.4 Tips for doctors: Treat symptomatically. If you would like further information, please contact Dongguan Jialede Lubricating Materials Co., Ltd.

5. Firefighting measures

5.1 Suitable extinguishing media: For large fires use dry chemical, foam or water spray. For small fires use carbon dioxide, dry chemical or water spray.

5.2 Prohibited fire extinguishing media: Not determined.

5.3 Special hazards: None.

5.4 Special fire-fighting procedures: Determine whether the area needs to be evacuated or isolated according to the local emergency plan. Use water to cool fire-affected containers device.

5.5 Special protective equipment for firefighters: When fighting fires involving chemicals, self-contained breathing apparatus and protective clothing should be worn.

6. Emergency response to leakage

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6.1 Personal protection

precautions: Avoid eye contact. Not to be taken internally.

6.2 Environmental Protection

Precautions: Do not allow large amounts to enter the drainage system or water surface.

6.3 Elimination methods: Follow all recommendations for the use of PPE listed in this Material Safety Data Sheet. If the containment item can be vacuumed up, it should be placed in a suitable container. Wipe or scoop up and place in a container to allow for recycling utilization or disposal. Properly dispose of saturated absorbents or cleaning materials, which may generate self-heating. Related legal requirements may apply to this item. Legal requirements may apply to spills and releases of this item as well as to materials used to clean up spills. The same applies to materials used to clean up spills. You need to determine the appropriate laws and regulations.

7. Operation, handling and storage

7.1 Operation precautions: Use adequate ventilation and exhaust equipment. Above 482°F / 250°C, highly toxic gas components such as hydrogen fluoride and PTFE can be produced. Provide good ventilation exhaust equipment or respirators when there is a possibility of exceeding 482°F / 250°C or more. Avoid contamination of tobacco articles. Fluoropolymers are found in tobacco products and the products of decomposition may pose an inhalation hazard. Employees should wash their hands and faces before eating, drinking, or smoking. Avoid eye contact. Do not take internally. Practice good industrial hygiene by washing after handling, especially before eating, drinking or smoking.

7.2 Storage tips: Be careful and store away from oxidizing materials.

7.3 Unsuitable packaging

materials: Not determined.

8. Exposure control/personal protection

8.1 Industrial hygiene standards:

Component CAS number Exposure limit

Unknown.

8.2 Engineering controls

Local ventilation: Not required.

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General ventilation equipment: Recommended.

8.3 Personal protective equipment for routine operation

Respiratory protection: Respiratory protective equipment is not required.

Use appropriate respirator: Not required.

Eye Protection: Use appropriate protection - safety glasses are a minimum requirement.

Hand protection: No special protection is required.

Skin protection: Wash appropriately before eating and when leaving work.

Personal Hygiene Measures: Practice good industrial hygiene and wash after handling, especially before eating, drinking or smoking.

8.4 Spilled personal protective equipment

Respiratory protection: Respiratory protective equipment is not required.

Eye Protection: Use appropriate protection - safety glasses are a minimum requirement.

Skin protection: Wash appropriately before eating and when leaving work.

Precautions : Avoid eye contact. Not to be taken internally. Take appropriate protection.

Note : Above 482°F/250°C, highly toxic gas components such as hydrogen fluoride and PTFE can be produced. When it is possible to exceed 482°F/250°C or more, provide good ventilation and exhaust equipment or respirators. Avoid contamination of tobacco articles. Fluoropolymers are found in tobacco products and the products of decomposition may pose an inhalation hazard. Employees should wash their hands and faces before eating, drinking or smoking.

9. Physical and chemical properties

9.1 Physical form: Grease.

9.2 Color: White

9.3 Odor: Odorless

9.4 pH value: No data available.

9.5 Melting point: No data available.

9.6 Boiling point/range: No data available.

9.7 Internal point: Not used.

9.8 Explosion plate limit: No data.

9.9 Steam Jade (25C): No data.

9.10 Work temperature: -20~280°C

9.11 Specific gravity: 2.0 g/cm³

9.12 Water solubility: No data available.

9.13 Partition coefficient (n-octanol/water): No data available.

9.14 Ignition temperature: No data available.

9.15 Decomposition temperature: No data available.

9.16 Odor value: No data available.

9.17 Steaming rate: No data.

9.18 Flammability (solid, gas): Not applicable.

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The above information is for reference only. If you want accurate product information, please contact Jialede Lubricating Materials Co., Ltd.

10. Stability and reactivity

10.1 Stability:	Stable.
10.2 Possibility of Hazardous Reactions:	Hazardous polymerization reactions are not expected to occur.
10.3 Conditions to avoid contact:	None.
10.4 Incompatible materials:	Reacts with strong oxidizing agents.
10.5 Decomposition products:	Carbon dioxide and traces of incompletely burned carbons. Fluorine compounds.

11. Toxicological information

11.4 Chronic toxicity	
Skin:	No suitable information available.
Ingestion:	Repeated or large amounts of ingestion may cause internal harm.
Inhalation:	No suitable information available.
11.5 Other Health Hazard	
Information:	Inhalation of fumes from the combustion and decomposition of polytetrafluoroethylene can cause "polymer fume fever." Thermal decomposition may be highly toxic of hydrogen fluoride fumes.

The potential hazards listed above are based on data from research on the components of the product or similar products or expert review of the product.

12. Ecological information

12.1 Aquatic and terrestrial ecotoxicity	
Ecotoxic effects:	
Acute Effects:	Harmful effects on aquatic organisms are not expected.
Chronic Effects:	Harmful effects on aquatic organisms are not expected.
Effects on Wastewater Treatment	
Plants:	Harmful effects on bacteria cannot be predicted.
12.2 Persistence and Degradability	
Water:	Solid items that cannot be dissolved in water.
12.3 Bioaccumulative potential	
Bioaccumulation:	No bioaccumulative potential.

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12.4 Mobility in soil:	This product is a solid substance and does not contain a considerable concentration of water-soluble components that may be leached from this product, so it is not harmful to terrestrial organisms.
12.5 Further environmental supplementary information:	No specific information.

13. Disposal

13.1 Product waste disposal method:	Dispose in accordance with local regulations.
13.2 Disposal method of packaging waste:	Dispose in accordance with local regulations.

14. Transportation information

14.1 Road and rail transport

Not applicable.

14.2 Shipping (DIDG)

It is not an IMDG code.

14.3 Air freight (IATA)

Not subject to IATA regulations.

14.4 Special requirements and other information:

None.

15. Regulatory information

15.1 Applicable regulations:	Regulations on the safe use of chemicals in the workplace [(1996) Ministry of Labor Issue No. 423]
15.2 Chemical Inventory	
AICS:	All components are listed or exempt.
DSL:	Please contact Jialede Lubricating Materials Co., Ltd.
EINECS:	All components are listed or exempted.
IECSC:	All components are listed or exempted.
KECL:	All ingredients are listed, exempted or declared.
ENCS/ISHL:	All components are listed in ENCS or its exemptions.

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PICCS:	All components are listed or exempt.
TSCA:	All chemical ingredients in this article are listed in the TSCA Chemical Substances Inventory or have obtained the TSCA Chemical Substances Inventory exemption.
HSNO:	All components are listed or exempted

16. Other information

16.1 Contact:	Technical Information Center 186 8208 6449
16.2 Producer:	Dongguan Jialede Lubricating Materials Co., Ltd.
legend:	-No specific information

This information is not a product manual, but is intended to provide a representative and valuable concept. There are no warranties, representations or implications here. Recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review the recommendations for the intended use of this product and determine whether it is appropriate before use.

(R) means registered trademark