



MATERIAL SAFETY DATA SHEET

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Ultra-Tek PFPE Ultra M

1. IDENTIFICATION OF THE SUBSTANCE/ USE/ COMPANY DETAILS

Trade Name: PFPE Ultra M
Company Identification: Mako-lube Limited
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Type of product: Grease
Use: Lubricant

2. HAZARDS IDENTIFICATION

Hazards Identification: Inhalation of mists or vapours at elevated temperatures may cause respiratory irritation.
Inhalation of decomposition product at high level may cause respiratory insufficiency (pulmonary oedema)

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is not considered to be hazardous and does not contain any hazardous components.

4. FIRST AID MEASURES

Inhalation Use in a well ventilated area. Breathe fresh air. If unwell seek medical attention
Skin Contact Wash skin thoroughly with mild soap and water.
Eye Contact Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.
Ingestion Rinse mouth. Obtain medical attention. Allow patient to rest. Do not induce vomiting

5. FIRE FIGHTING MEASURES

Flammable Class non flammable, product does not burn
Prevention Do not expose to naked flames or fire. No smoking.
Extinguishing Media All can be used
Unsuitable extinguishing media Do not use high pressure water
Surrounding Fires Use water spray to cool containers
Specific Hazards Under fire conditions, hazardous fumes will be present

Protection for Fire-Fighters	Do not enter fire area without Proper Protective Equipment, including respiratory equipment.
Special procedures	Exercise caution when entering any lubricant or chemical fire.

6. ACCIDENTAL RELEASE MEASURES

General Precautions	May be slippery if spilled. Remove from ignition sources. Do not breathe fumes or vapours from decomposition.
Personal Precautions	Avoid contact with skin and eyes. No Smoking. Clean up crews should wear proper protective equipment.
Environmental Precautions	Prevent entry to sewers and public water ways. Notify authorities if product enters sewers or public waters
Clean up methods	Collect spill and put in appropriate container.

7. HANDLING AND STORAGE

GENERAL	Ensure there is adequate ventilation. Avoid all unnecessary exposure to naked flames or potential fire risks. No Smoking.
STORAGE	Store in tightly sealed containers, away from heat, sparks, open flames. Store in cool, dry well ventilated areas.
HANDLING	Ensure prompt removal from eyes, skin, and clothing. Wash hands and other exposed areas with mild soap and water before you eat, drink or smoke, leave work. Keep away from food, drink. Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory Protection	No special respiratory protection equipment is recommended under normal conditions of use, if used with adequate ventilation.
Hand Protection	Wear Barrier Cream, if repeated or prolonged contact wear protective clothes
Skin Protection	In the case of possible repeated skin contact wear protective clothing
Eye Protection	Eye protection is only necessary where product could be splashed or sprayed
Ingestion	When using do not eat, drink or smoke

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20°C	Grease
Colour	Black
Odour	characteristic
pH value	Not applicable
Decomposition point	>260° c
Density	1.93
Solubility in Water (vol/vol)	Material insoluble in water
Auto flammability	N/A
Flash Point	N/A

10. STABILITY AND REACTIVITY

Hazardous decomposition products	Temperatures above 300°C may create carbon dioxide and hydrogen fluoride
Hazardous reactions	None under normal conditions.
Hazardous properties	None under normal conditions.

Materials to avoid Strong oxidizing agents.
Conditions to avoid Naked flames, fires.

11. TOXICOLOGICAL INFORMATION

Inhalation Not expected to prevent a significant inhalation hazard under anticipated conditions of normal use. Inhalation of mists or vapours at elevated temperatures above 300°C may cause respiratory irritation or flu like symptoms.

Dermal Repeated or prolonged exposure may have a de-fating effect or cause dermatitis

Ocular Redness, pain may occur

12. ECOLOGICAL INFORMATION

On Product Prevent entry to sewers and public water ways.

Ecological Effects Not soluble in water, so only minimally bio-degradable

Bio-accumulation Product is not expected to bio-accumulate

13. DISPOSAL CONSIDERATIONS

General Dispose of in a safe manner in accordance with local/national regulations

Disposal method In accordance with local/national regulations may be taken to waste disposal site.

Disposal of used packaging Use a licensed waste disposal contractor.

14. TRANSPORT INFORMATION

General Information Not classified including: UN Class, ADR RID Class, IMDG Class, IATA Class

15. REGULATORY INFORMATION

Symbol(s) None

R Phrase(s) None

S Phrase(s) None

16. OTHER INFORMATION

Product Use: For Industrial use only. Lubricant

The contents and format are in accordance with the following directives:

EC Directive 91/155/EEC defining the laying down and detailing of specific information relating to Dangerous Preparations Directive – 2001/58/EC.
EC Directive 88/379/EEC relating to the classification, packaging and labeling of dangerous preparations.

DISCLAIMER OF LIABILITY:

To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user. The conditions of handling, storage, use or disposal of the product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim any liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. This MSDS was prepared solely for the product stated and should not be used for any other product.

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