



MATERIAL SAFETY DATA SHEET

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Revised Edition No. 1
Date: 10/10/2012
Supersedes: N/A

Ultra-Tek PFPE Ultra Spray

1. IDENTIFICATION OF THE SUBSTANCE/ USE/ COMPANY DETAILS

Trade Name: Ultra-Tek PFPE Ultra Spray
Company Identification: Mako-lube Limited
Units 2 & 3 Mayfield Industrial Estate
Liverpool Road
Irlam
Manchester, M44 6GD
Tel: +44(0)161 777 9970
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info@mako-lube.com
Type of product: Aerosol
Use: Lubricant or coating

2. HAZARDS IDENTIFICATION

Dangerous Product: Not expected to present a significant hazard under normal use
Hazard Identification: A1 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
S2 Keep out of the reach of children.
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe vapour/spray.
S51 Use only in well-ventilated areas.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:	Name	EINICS No.	CAS No.	Content	Classification
	TETRAFLUOROETHANE	212-377-0	811-972-2	60 – 99%	
	PERFLUOROPOLYETHER OIL	-	69991-67-9	1 - 40%	

4. FIRST AID MEASURES

Inhalation Use in a well-ventilated area, not expected to present a significant hazard under conditions of normal use
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 and drink water. Obtain medical attention. Allow victim to rest. Induce vomiting if victim is completely alert and conscious

5. FIRE FIGHTING MEASURES

Flammable Class	Not flammable, Product does not burn
Extinguishing Media	any extinguishing media
Surrounding Fires	Use water spray to cool containers
Specific Hazards	Under fire conditions, hydrofluoric acid and fluorophosgene may be present
Protection for Fire-Fighters	Warn fire fighters that aerosols are involved. Containers close to fire should be removed or cooled with water Do not enter fire area without Proper Protective Equipment, including respiratory equipment.
Special procedures	Aerosols may explode in a fire

6. ACCIDENTAL RELEASE MEASURES

General Precautions	May be slippery if spilled. Remove from ignition sources.
Personal Precautions	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. Ventilate and evaporate area

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 cool well ventilated area in original packaging. Aerosol cans must not be exposed to direct sunlight or temperatures above 50°C.
HANDLING	Avoid direct contact with the substance

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
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
Industrial hygiene	Provide good ventilation in process area to prevent formation of vapours

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Aerosol
Colour	Not applicable
Odour	Odourless
pH value	Not applicable
Density	1.206
Solubility in Water (vol/vol)	Material insoluble in water
Flash Point	Not applicable

10. STABILITY AND REACTIVITY

Hazardous decomposition products	Combustion will emit dangerous fumes of Carbon dioxide, Hydrogen Fluoride (HF) COF ₂ , Carbon monoxide
Hazardous reactions	None under normal conditions.
Hazardous properties	None under normal conditions.
Conditions to avoid	Avoid heat and other sources of ignition
Materials to avoid	Avoid alkali and metals

11. TOXICOLOGICAL INFORMATION

Inhalation:	May cause respiratory irritation. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting
Dermal:	Skin irritation is not anticipated in normal use.
Ocular:	Vapours may cause eye irritation

12. ECOLOGICAL INFORMATION

On Product	Prevent entry to sewers and public water ways.
Ecological Effects	Not regarded as dangerous for the environment

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. Empty containers must not be burned because of explosion hazard

14. TRANSPORT INFORMATION

UN Road	1950
UN Class	2
ADR – Class	Class 2, Code 5A, Label 2.1 NON-FLAMMABLE, NON-TOXIC GAS 2
Proper Shipping Name	AEROSOLS
UN Number, Sea	1950
IMDG – CLASS	2.1
AIR – CLASS	2
Air Pack Gr.	Not Classified

15. REGULATORY INFORMATION

Symbol(s)	None
R Phrase(s)	A1 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. A2 Do not spray on a naked flame or any incandescent material.
S Phrase(s)	S2 Keep out of the reach of children. S16 Keep away from sources of ignition - No smoking. S23 Do not breathe vapour/spray. S51 Use only in well-ventilated areas.

16. OTHER INFORMATION

Product Use:

For Industrial use only

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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