

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Fomblin® 06/6.
Catalogue Number: M002-1000.
Other Names: Fluoropolymer, Mixture of (S) parafluoropropene and oxygen polymerized, amide derivative and Propene, 1,1,2,3,3,3-hexafluoro, oxidized, polymerized
Recommended Use: For use in vacuum pumps.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 **Fax Number:** (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous according to criteria of NOHSC.
Hazardous and/or NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Dangerous Nature:
Risk Phrases:
Safety Phrases:

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE: **Chemical Identity:**
Common Name(s):
CAS Number(s):

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
(S) parafluoropropene and oxygen polymerized, amide derivative	-	0-100
Propene, 1,1,2,3,3,3-hexafluoro, oxidized, polymerized	69991-67-9	0-100

SECTION 4 - FIRST AID MEASURES

Swallowed: If conscious, drink three to four 8 ounce glasses of water or milk. Call a physician. If unconscious, immediately take affected person to a hospital. Do not give anything by mouth to an unconscious person.
Eye: Flush eyes for 15 minutes with copious amounts of water, retracting eyelids often. Seek medical attention if irritation persists.
Skin: Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. Seek medical attention if irritation persists.
Inhaled: If symptoms of irritation or discomfort are experienced, or person is overcome by exposure, remove to fresh air. Give oxygen or artificial respiration as needed.
First Aid Facilities: Eyebath/eyewash & Safety shower.
Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Water (spray or fog), foam, dry chemical or carbon dioxide (CO₂).

Hazards from Combustion Products:

Fluoropolymers will degrade upon prolonged heating or in a fire, liberating hydrogen fluoride (HF) and carbonyl fluoride (COF₂). This gas is toxic if inhaled or it comes into contact with moist skin. HF has an ACGIH PEL TLV (8hr TWA) of 0.5 ppm and a ceiling limit of 2 ppm (1.7 mg/m³). COF₂ has an ACGIH TLV of 2 ppm (5.4 mg/m³) and an OSHA PEL TWA of 2 ppm (5 mg/m³).

Precautions for Fire Fighters:

Use self contained breathing apparatus (SCBA) and skin protection for acid gas exposure. Do not enter fire area without proper protection. Fight fire from safe distance. If possible, air monitoring should be performed.

Hazchem Code: Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Containment and clean up:

Releases: In case of a release or spill, absorb material onto vermiculite or similar inert absorbent. Use Perfluorosolv0 PFS-1 Solvent to clean up any remaining liquid. Place spilled material into covered container for disposal.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Wash hands after use and before handling food or applying cosmetics. Do not use tobacco products in the immediate area. Keep containers closed.

Conditions for Safe Storage:

Keep away from heat, sparks and flames. Do not store near combustible materials.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard allocated.

Biological Limit Values: No biological limit allocated.

Engineering Controls:

Vent vapours or mists generated by processing away from operating personnel. Local exhaust ventilation at a rate of 50 feet per minute.

Personal Protective Equipment:

Skin Protection Description: Rubber or latex gloves recommended but not necessary.

Eye/Face Protection: ANSI Z87.1 approved safety glasses with side shields or equivalent, safety goggles.

Respiratory Protection: No occupational exposure standards have been developed for this material. In situations where exposure to vapours or mists is likely, NIOSH/MSHA approved acid and organic vapour respirators are recommended. Respirator use limitations made by NIOSH/MSHA or the manufacturer must be observed.

Respiratory protection programs must be in accordance with 29 CFR 1910.134.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Clear, liquid.
Odour:	Odourless.
pH:	Not available.
Vapour pressure (mm of Hg at 25°C):	Not available.
Vapour density:	Not available.
Boiling point/range (°C):	Not available.
Freezing/melting point (°C):	Not available.
Solubility:	In Water: Insoluble.
Specific gravity or density:	Not available.
Flash Point:	Not available.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Not available.
Additional Information:	

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Heat, sparks, flames, and other ignition sources; avoid heating above 250°C.
Incompatible Materials:	Strong alkaline compounds (alkaline hydroxides, ammonia, non-aqueous alkalis), halogenated compounds, Lewis acids (AlCl ₃ , SbF ₅ , C F ₃), magnesium, aluminium and their alloys above 100°C.
Hazardous Decomposition Products:	Thermal decomposition of this product will generate hydrogen fluoride (HF), which is corrosive, causing burns on contact with skin and other tissue.
Hazardous Reactions:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

Ingestion:

Not an expected exposure route. Ingestion may cause nausea and vomiting.

Inhalation:

Inhalation of vapours or mists may cause irritation of the mucous membranes and respiratory tract.

Skin Contact:

Skin contact may cause slight irritation.

Eye Contact:

Eye contact may cause slight irritation.

Human/Animal data: Acute Health Effects: Toxicology data listed are for propene, 1,1,2,3,3,3-hexafluoro, oxidized, polymerized: Rat intraperitoneal LD50: Greater than 25 g/kg.
 Skin Effects: Rat dermal LD50: Greater than 2 g/kg.
 Ingestion Effects: Rat oral LD50: Greater than 25.65 g/kg.
 Sensitization: Guinea pig sensitization: Not a sensitizer.
 Irritation: Rabbit skin irritation: Not irritating.
 Rabbit eye irritation: Not irritating.

Carcinogenicity: Not available.

SECTION 12 – ECOLOGICAL INFORMATION
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Ecotoxicity:	Not available.
Persistence and degradability:	Not available.
Mobility:	Not available.
Additional Information:	Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Dispose of according to applicable local, state and federal regulations. Extinguish all ignition sources and evacuate the area. Exercise caution; spill area may be slippery.

Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number:	Not regulated.
UN Proper Shipping Name:	Not regulated.
Class and Subsidiary risk:	Not regulated.
Packing Group:	Not regulated.
Special Precautions for User:	Not available.
Hazchem Code:	Not available.

SECTION 15 - REGULATORY INFORMATION
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Poison Schedule Number: None allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: August 10
 Comments:

List of Publications referenced when creating this MSDS;

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

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