

The effect of medication and ingredients of PFCO-1

- The main ingredients of PFCO-1 for Perfluoro and Ozone to be mixed, the molecular formula to part of the C6F14 and O3.
- Due to the characteristics of Ozone was very unsettled and a characteristic of difficult to store, we are to Point out clinic and hospital who should be to buy our PFCO–Pharmacy-Machines to make up by oneself for clinical to put in use immediately and to enhance the effect of medication, also it could to be frugal the cost.
- As there is a need to define air as an interface, so SARS infection include flu of any type or pulmonary which they were alike property the ulcer of superficiality and bacterial infection, this is a new medical definition and as well as is our basis of patent invent, the revolutionize of lung treatment history that already to start, if you no to identify oneself with it be bound to fall behind!
- The Ozone is a benignancy bactericide it was acknowledged in the world, it could be to destroyed or decomposed a cell wall of germs to oxidize the internal of a cell and to cause death the original body of a cell, however, the PFC is a excellent polymerization liquid of macromolecule and it has zero ozone depletion, the collocation it was a seamless heavenly robe.
- The clinical concentration to consult list below:

Ozone sterilizing in liquid (1ppm= 1mg / L)			
O3 Density	Time	Types of viruses and pathogens	Sterilizing efficiency
10mg/m3	20 mins	Type-B hepatitis surface antigen (HbsAg)	99.99%
0.5 ppm	5 mins	Type-A flu virus	99%
0.13 ppm	30 seconds	Poliomyelitis virus type I (PVI)	100%
0.040 ppm	20 seconds	Coliphage ms2	98%
0.25 ppm	1 mins	SA-H and human-wheel virus type 2	99.60%
* 12.6 ppm	4 mins	Coronaviridae	100%
4 ppm	3 mins	HIV	100%
8mg/m3	10 mins	Mycoplasma, Chlamydia, and other pathogens	99.85%

- This medicine substance to suit with registered doctor to put in use clinical for enter lung to cure SARS, bird flu and flu of anyone germs infect; it was unusual for preserved children of tender age whom they are in virtue of head cold to bring about a high fever to surmount 39° C which was easy to lead to pathological changes to die or the intelligence to descend , this medicine substance could be to bring down a fever immediately and it could be to evaporate and not any vestiges.
- The phthisis was same a type of germs infect of lung, this medicine substance has a specific remedy only.
- This medicine substance could be to washing lung of smoker and pneumoconiosis of aged people, because the single oxygen atom it could be to produced intense oxygenation for the deposit-stain to decomposed.

PFCO-1 a matter needing attention of using medication

The Perfluoro liquid of medicine substance it was to choose the PF-5080 electronic liquid of 3M company of USA with to mix Ozone to manufacture, the liquid was to guaranteed that it is non-irritating to the eyes and skin, and is practically non-toxic orally. The 3M company was further to guaranteed the product also demonstrates very low acute and sub chronic inhalation toxicity and the liquid it has zero ozone depletion potential.

Because the Ozone is not chemical reaction for the macromolecule liquid of PFC, so above the distinguishing characteristic of the PFCO-1 liquid that is not to changed; but the characteristics of Ozone was very unsettled, so there is to take apart the glue bag of air-tight wrapping as soon as, the mark concentration of Ozone it could be to descend, the numerical analysis of ppm which was on behalf of the lethality for germs, the PFCO-1 liquid has a characteristic of fine to evaporated it was especially in the body temperature, as well as it must to regulate the concentration of Ozone in the liquid with it could be to once to kill the germs of lung-cavity and to request clinicians who must to look out.

Although in proportion to the concentration of oxygen it may be upward 15-30ppm or above-mentioned, the PFCO–Pharmacy-Machines could be to adjust the oxygen concentration to reach to surmount the evaporate period which breathe capacity of liquid medicine, even if is this, our proposal is that the lungs be used interchangeably during clinical trial phase while the other lungs can still supply oxygen. This is to ensure safety.

To use the mark concentration of Ozone is 10ppm or still more for an allergic reaction and volatility test are our advice, it’s volatility is about three times over for alcohol. Those are to have the PFCO–Pharmacy-Machines’s clinic and hospital will be to have abundant clinical experience quickly.

This medicine substance it was to belong to a “ lung-cavity an appetite fluid” and it was to originate in medicine history and inconvenient used for the public, so it does not to go on sale, it only to supply for those have the patent authorized and who must were the register doctor, clinic or hospital use the prescription authority for clinical.

Tracheal Tube For Single Use

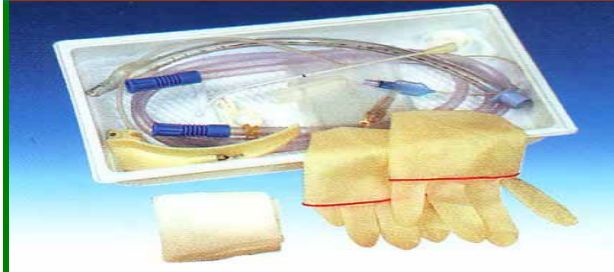
(一次性氣管導管的使用)

Propose Using !

To operate in coordination using for the
Clinical Three Channel Valve

Caution and instruction manual:

1. Store in clean, dry condition away from light and avoid freezing and excessive heat;
2. Seat 15mm connector firmly into tracheal tube prior to use;
3. Avoid contact with laser beams or electrosurgery electrodes;
4. To tear open the parcel bagging and take out the Tracheal Tube to join the contact;
5. Using an injector to face the gasbag to fill a little gas to check if puncture of the gasbag;
6. To pump out gas of the gasbag;
7. Start the normal operation to intubate procedure;



Even tube Tracheal Tube for Single use

high-priced !

Standards Diameter

Children type: 2.5#, 3.5#, 4.5#, 5.5#, 6#;
Adult type: 6.5#, 7.5#, 8#, 8.5#, 9#, 9.5#, 10#;

HKD \$30.00

(single tube type)



Children type: 2.5#, 3.5#, 4.5#, 5.5#, 6#;
Adult type: 6.5#, 7.5#, 8#, 8.5#, 9#, 9.5#, 10#;

HKD \$50.00 (repeatedly use)

Clinical Three Channel Valve



Common Tracheal Tube Package

For Single Use





Performance Fluid

PF-5080

Introduction

3M™ Performance Fluid PF-5080 is a clear, colorless, fully-fluorinated liquid (perfluorocarbon). Like other 3M performance fluids, PF-5080 fluid is chemically and thermally stable, practically non-toxic, and nonflammable. High dielectric strength and excellent materials compatibility make PF-5080 fluid an excellent choice in a wide range of applications, from lubricant deposition and process solvent applications to heat transfer.

Typical Physical Properties

Not for specification purposes

All values determined at 25°C unless otherwise specified

Properties	PF-5080
Appearance	Clear, colorless
Average Molecular Weight	438
Boiling Point, 1 atm	101°C
Pour Point	-30°C
Critical Temperature	502 °C
Critical Pressure	1.66 x 10 ⁶ Pa
Vapor Pressure	3.87 x 10 ³ Pa
Heat of Vaporization, (at normal boiling point)	92 J/g
Liquid Density	1.77 g/ml
Viscosity, Kinematic	0.79 centipoise
Liquid Specific Heat	1.05 J g ⁻¹ °C ⁻¹
Liquid Thermal Conductivity	0.064 W m ⁻¹ °C ⁻¹
Coefficient of Expansion	0.0014 °C ⁻¹
Surface Tension	15 dynes/cm
Refractive Index	1.270
Water Solubility	11 ppm
Solubility in Water	<5 ppm

Electrical Properties

Not for specification purposes

All values determined at 25°C unless otherwise specified

Properties	
Dielectric Strength	41 kV, 0.1" gap
Dielectric Constant	1.85 1MHZ
Volume Resistivity	8.4 x 10 ¹⁵ ohm-cm

3M™ Performance Fluid PF-5080 Heat Transfer Properties

The following formulas can be used to calculate the specific heat, thermal conductivity, density and vapor pressure of 3M™ Performance Fluid PF-5080 at various temperatures.

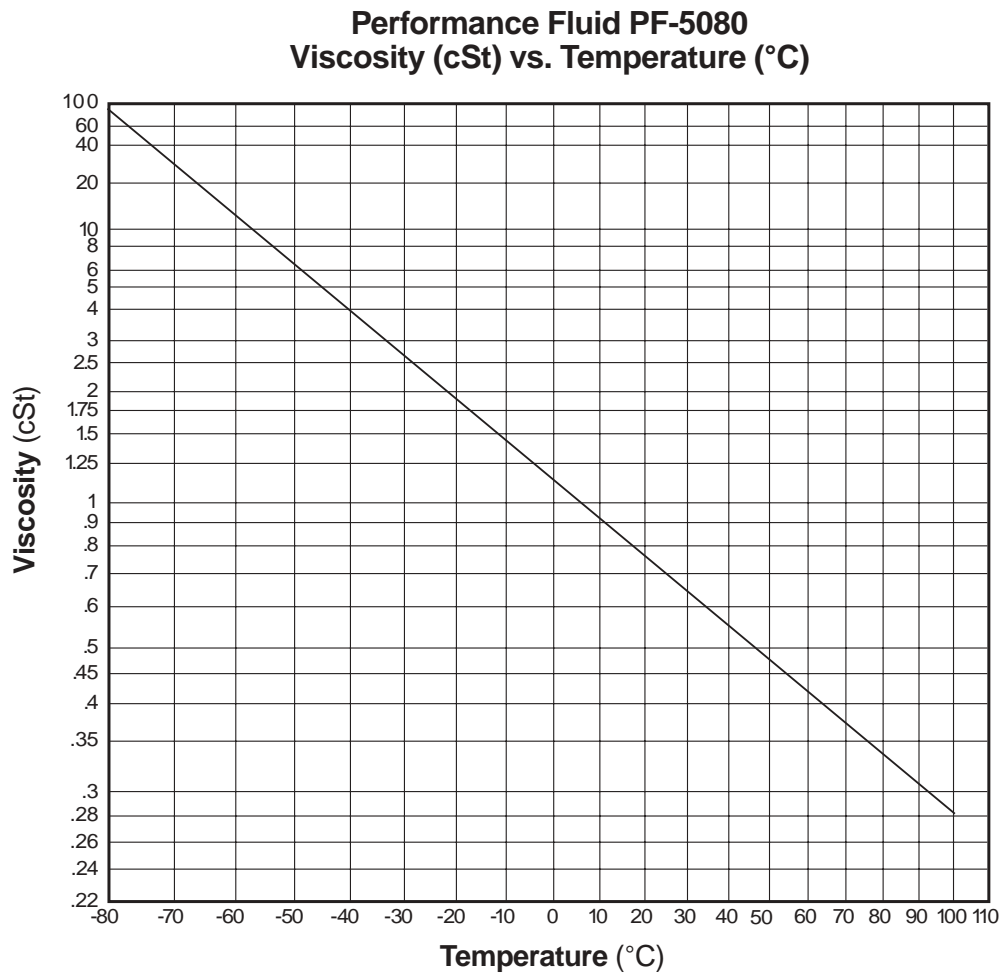
$$\text{Specific Heat (J kg}^{-1} \text{ }^{\circ}\text{C}^{-1}) = 1014 + 1.554 (T, \text{ }^{\circ}\text{C})$$

$$\text{Thermal Conductivity (W m}^{-1} \text{ }^{\circ}\text{C}^{-1}) = 0.065 - 0.00008 (T, \text{ }^{\circ}\text{C})$$

$$\text{Density (kg/m}^3\text{)} = 1838 - 2.45 (T, \text{ }^{\circ}\text{C})$$

$$\text{Log}_{10}(\text{Vapor Pressure (Pa)}) = 9.707 - (1824/(T, \text{ K}))$$

The following graph can be used to determine the viscosity of performance fluid PF-5080 over the indicated temperature range.



3M™ Performance Fluid PF-5080 Materials Compatibility

3M™ Performance Fluid PF-5080 is compatible with most metals, plastics and elastomers.

Toxicity Profile

3M fluid PF-5080 is non-irritating to the eyes and skin, and is practically non-toxic orally. The product also demonstrates very low acute and sub-chronic inhalation toxicity. A Material Safety Data Sheet is available upon request.

Safety and Handling

PF-5080 fluid is nonflammable, and is highly resistant to thermal breakdown and hydrolysis in storage and during use. Additional safety and handling information is provided in the Material Safety Data Sheet which is available upon request.

Environmental Properties

PF-5080 fluid has zero ozone depletion potential. The material is exempt from the U.S. EPA and most state definitions of a volatile organic compound (VOC) and does not contribute to ground-level smog formation.

3M fluid PF-5080, a perfluorocarbon (PFC), has a high global warming potential and a long atmospheric lifetime. As such, it should be carefully managed so as to minimize emissions and provide the necessary economic performance.

3M recommends that users of PF-5080 fluid further limit emissions by employing good conservation practices, and by implementing recovery, recycling and/or proper disposal procedures. 3M offers a program for used fluid return in the U.S. Additional handling and use information is provided in the Material Safety Data Sheet.

Environmental Policy

3M will recognize and exercise its responsibility to:

- prevent pollution at the source wherever and whenever possible
- develop products that will have a minimal effect on the environment
- conserve natural resources through the use of reclamation and other appropriate methods
- assure that its facilities and products meet and sustain the regulations of all Federal, State and local environmental agencies
- assist, wherever possible, governmental agencies and other official organizations engaged in environmental activities

3M™ Performance Fluid PF-5080 Used Fluid Return Program

3M offers a program for free pickup and return of used 3M Specialty Materials in the U.S. through Safety-Kleen Corporation. A pre-negotiated handling agreement between users and this service provider offers users broad protection against future liability for used 3M product. The fluid return program is covered by independent third-party financial and environmental audits of treatment, storage and disposal facilities. Necessary documentation is provided. A minimum of 30 gallons of used 3M Specialty Materials is required for participation in this free program.

Safety-Kleen Corporation has a network of 156 branch service centers in the U.S. This large fleet will provide timely, economical fluid disposal service. For additional information on the 3M Used Fluid Return Program, contact Safety-Kleen Corporation at this toll-free line: 1.888.932.2731.

Resources

3M™ Performance Fluid PF-5080 customers are supported by global sales, technical and customer sales resources, with fully staffed technical service laboratories in the U.S., Europe, Japan, Latin America and Southeast Asia. Users benefit from 3M's broad technology base and continuing attention to product development, performance, safety and environmental issues.

For additional information on PF-5080 fluid, contact your local 3M office.

www.3m.com/electronics/chemicals

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Materials Division
800 810 8513

Canada

3M Canada Company
800 364 3577

China

3M China Ltd.
86 21 6275 3535

Europe

3M Belgium N.V.
32 3 250 7521

Japan

Sumitomo 3M Limited
813 3709 8250

Korea

3M Korea Limited
82 2 3771 4114

Malaysia

3M Malaysia Sdn. Berhad
60 3 706 2888

Philippines

3M Philippines, Inc.
63 2 813 3781

Singapore

3M Singapore Pte. Ltd.
65 454 8611

Taiwan

3M Taiwan Limited
886 2 2704 9011

Other Areas

651 736 7123 (U.S.)

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