Safety Data Sheet



Krytox/PFPE Oils

Version 3.0

Revision Date 10/13/2015

Ref. 15000000934

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Restrictions on use Do	ubricant, For professional users only.
• · · ·	
interview in the second	o not use product for anything outside of the above specified uses novative Vacuum Solutions, Inc. 1461 N. U.S. Hwy 301, Suite 110 honotosassa, FL 33592 elephone: (813) 381-3930 nited States of America E-mail:accounting@ivsonline.com
Product Information 1-8	813-381-3930

Krytox[™] PFPE Oils

Version 3.0

Revision Date 10/13/2015

Ref. 15000000934

Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.

Other hazards

The product as such is not hazardous., Inhalation of decomposition products from overheating may cause lung irritation or shortness of breath.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain any components that require disclosure according to OSHA Hazard Communication Standard 2012.

SECTION 4. FIRST AID MEASURES

General advice	: When symptoms persist or in all cases of doubt seek medical advice.
Inhalation	: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.
Skin contact	: Wash with water and soap as a precaution.
Eye contact	: Rinse with plenty of water. If eye irritation persists, consult a specialist.
Ingestion	: Never give anything by mouth to an unconscious person. DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Most important symptoms/effects, acute and delayed	: No applicable data available.

afety Data Sheet	
Krytox[™] PFPE Oils /ersion 3.0	
Revision Date 10/13/2015	Ref. 15000000934
Protection of first-aiders	: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	: No applicable data available.
SECTION 5. FIREFIGHTING MEA	SURES
Suitable extinguishing media	: The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: No applicable data available.
Specific hazards	: In fire conditions, toxic decomposition products may be formed. (see also section 10)
Special protective equipment for firefighters	: Wear self-contained breathing apparatus (SCBA). Wear suitable protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel) Environmental precautions		No applicable data available. Prevent material from entering sewers, waterways, or low areas.
Spill Cleanup	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Accidental Release Measures	:	No applicable data available.
		3/8

Safety Data Sheet	
TM	
Krytox [™] PFPE Oils	
Version 3.0	
Revision Date 10/13/2015	Ref. 15000000934
SECTION 7. HANDLING AND ST	DRAGE
Handling (Personnel)	: Avoid breathing vapors from overheated material. General industrial hygiene practice.
Handling (Physical Aspects) Dust explosion class Storage	 No applicable data available. No applicable data available. No special storage conditions required. Keep container closed to prevent contamination. No decomposition if stored and applied as directed.
Storage period	: No applicable data available.
Storage temperature	: No applicable data available.
SECTION 8. EXPOSURE CONTR	OLS/PERSONAL PROTECTION
Engineering controls	: In the event that the polymer is heated above 350°C (662°F), local ventilation should be used to avoid exposure to fumes.
Personal protective equipment Respiratory protection	: No personal respiratory protective equipment normally required. In the case of hazardous fumes caused by overheating, wear self-contained breathing apparatus.
Hand protection	: Additional protection: No particular glove type is recommended, but nitrile may be used.
Eye protection	: Safety glasses
Skin and body protection	: No PPE is specified however, avoid contact with skin, eyes, and clothing. Preventive skin protection
Exposure Guidelines Exposure Limit Values	
Contains no substances with	occupational exposure limit values.
	4 / 8

afety Data Sheet	
rytox [™] PFPE Oils	
ersion 3.0	
evision Date 10/13/2015	Ref. 15000000934
This product does Communication S	not contain any exposure limits that require disclosure according to OSHA Hazard tandard 2012.
CTION 9. PHYSICAL AND CH	EMICAL PROPERTIES
Appearance Physical state Form Color	: liquid : viscous, liquid : colourless
Odor	: none
Odor threshold	: No applicable data available.
рН	: neutral
Melting point/freezing point	: pour point < -5 °C (23 °F)
Boiling point/boiling range	: No applicable data available.
Flash point	: Method: Pensky-Martens closed cup - PMCC does not flash
Evaporation rate	: No applicable data available.
Flammability (solid, gas)	: No applicable data available.
Upper explosion limit	: No applicable data available.
Lower explosion limit	: No applicable data available.
	: No applicable data available.
Vapour Pressure	
Vapour Pressure Vapour density	: No applicable data available.

Krytox [™] PFPE Oils		
Version 3.0		
Revision Date 10/13/2015		Ref. 15000000934
Water solubility	:	insoluble
Solubility(ies)	:	No applicable data available.
Partition coefficient: n- octanol/water	:	No applicable data available.
Auto-ignition temperature	:	No applicable data available.
Decomposition temperature	:	ca.350 °C
Viscosity, kinematic	:	No applicable data available.
Viscosity, dynamic	:	No applicable data available.
SECTION 10. STABILITY AND R	EAC	стіліту
Reactivity	:	Stable at normal ambient temperature and pressure.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Decomposes on heating.
Conditions to avoid	:	Decomposition temperature 350 °C (662 °F)
Incompatible materials	:	No applicable data available.
Hazardous decomposition	:	Hazardous thermal decomposition products:

SECTION 11. TOXICOLOGICAL INFORMATION

Carcinogenicity

products

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology

Fluorinated compounds

Safety Data Sheet			
Krytox [™] PFPE Oils			
Version 3.0			
Revision Date 10/13/2015	Ref. 15000000934		
	Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).		
None of the components by IARC, NTP, or OSHA	present in this material at concentrations equal to or greater than 0.1% are listed , as a carcinogen.		
SECTION 12. ECOLOGICAL INFO	ORMATION		
Environmental Fate Krytox [™] PFPE Oils Biodegradability	: According to the results of tests of biodegradability this product is not readily biodegradable.		
SECTION 13. DISPOSAL CONSID	DERATIONS		
Waste disposal methods - Product	: In accordance with local and national regulations.		
Contaminated packaging	: Dispose of container properly. If recycling is not practicable, dispose of in compliance with local regulations.		
SECTION 14. TRANSPORT INFO	RMATION		
Not classified as dangerous in	the meaning of transport regulations.		
SECTION 15. REGULATORY INFO	ORMATION		
TSCA	: On the inventory, or in compliance with the inventory		
	7/8		

Safety Data Sheet	
Krytox [™] PFPE Oils	
Version 3.0	
Revision Date 10/13/2015	Ref. 15000000934
SECTION 16. OTHER INFOR	ΜΑΤΙΟΝ
Restrictions for use	: Do not use this material in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided under a written contract that is consistent with the policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your representative. You may also request a copy of the POLICY Regarding Medical Applications and CAUTION Regarding Medical Applications.
Revision Date	: 10/13/2015
date of its publication. Th transportation, disposal a relates only to the specifi other materials or in any	in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the is information given is designed only as a guidance for safe handling, use, processing, storage, and release and is not to be considered a warranty or quality specification. The information c material designated and may not be valid for such material used in combination with any process, unless specified in the text.
	8 / 8