

Safety Data Sheet

Section 1. Substance Identity and Company Contact Information

Product Name	Krytox® Sodium Nitrite Inhibited PFPE/PTFE Greases (GPL 22(X) Series)	Product Part Number(s)	326484
Trade Name	DuPont™ Krytox® Sodium Nitrite Inhibited PFPE/PTFE Greases (GPL 22(X) Series)		
Company	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		

Emergency No. 1-800-424-9300 (Chemtrec). Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

Section 2. Hazards Identification

Pictogram(s)	Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.	
Signal Word	Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.	
Hazard Statement(s)	Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.	
Precautionary Statement(s)	Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.	
Target Organ(s)	The thermal decomposition vapors of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco. Repeated episodes of polymer fume fever may result in persistent lung effects.	
Potential Health Effects	Eye:	Not available
	Skin:	Not available
	Ingestion:	Not available
	Inhalation:	Not available
Chronic Effects/ Carcinogenicity	IARC:	Not available
	NTP:	Not available
	OSHA:	No data available
Teratology (Birth Defects) Information	No data available	
Reproductive Information	No data available	

Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Sodium nitrite	7632-00-0	2%	No data available	No data available

Section 4. First Aid Measures

General Advice	When symptoms persist or in all cases of doubt seek medical advice.
If Inhaled	Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Oxygen or artificial respiration if needed.
In Case of Skin Contact	Wash with water and soap as a precaution.
In Case of Eye Contact	Rinse with plenty of water. If eye irritation persists, consult a specialist.
If Swallowed	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.
Indication of Any Immediate Medical Attention and Special Treatment Needed	If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Section 5. Fire-fighting Measures

General Information	No data available
Suitable Extinguishing Media	The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special Hazards Arising from the Substance or mixture	In fire conditions, toxic decomposition products may be formed. (see also section 10)
Advice for Firefighters	Wear self-contained breathing apparatus (SCBA). Wear suitable protective equipment.
Flash Point	No data available
Autoignition Temperature	No data available
Further Information	Standard procedure for chemical fires.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	Avoid contact with the skin and the eyes. Refer to protective measures listed in sections 7 and 8.
Environmental Precautions	Prevent material from entering sewers, waterways, or low areas.
Methods and Materials for Containment and Cleaning	Shovel into suitable container for disposal.
Reference to Other Sections	NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Section 7. Handling and Storage

Precautions for Safe Handling	Avoid breathing vapors from overheated material. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. General industrial hygiene practice. Keep away from food and drink. Keep away from tobacco products. Wash hands and face before breaks and immediately after handling the product.
Conditions for Safe Storage, Including any Incompatibilities	No special storage conditions required. Keep container closed to prevent contamination. No decomposition if stored and applied as directed.
Specific End Use(s)	Apart from the uses mentioned in Section 1, no other specific uses are stipulated.

Section 8. Exposure Controls and Personal Protection

Components with Workplace Control Parameters	Contains no substances with occupational exposure limit values.
Appropriate Engineering Controls	In the event that the polymer is heated above 300°C (572 F) local ventilation should be used to avoid exposure to fumes.
Eye/Face Protection	Safety glasses
Skin Protection	No PPE is specified however, avoid contact with skin, eyes, and clothing. Preventive skin protection
Hand Protection	Additional protection: No particular glove type is recommended, but nitrile may be used.
Respiratory Protection	No personal respiratory protective equipment normally required. In the case of hazardous fumes caused by overheating, wear self-contained breathing apparatus.
Control of Environmental Exposure	This product does not contain any exposure limits that require disclosure according to OSHA Hazard Communication Standard 2012.

Section 9. Physical and Chemical Properties

Appearance	Physical state: Solid; Form: Solid; Color: white
Odor	Odorless
Odor Threshold	No data available
pH	neutral
Melting Point/Freezing Point	320 °C (608 °F)
Initial Boiling Point and Boiling Range	No data available
Flash Point	closed cup; does not flash
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Water Solubility	insoluble
Partition Coefficient : n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	320 °C
Viscosity	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available
Other Safety Information	No data available

Section 10. Stability and Reactivity

Reactivity	Stable under recommended storage conditions.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No applicable data available.
Conditions to Avoid	Decomposition temperature 320 °C (608 °F)
Incompatible Materials	No applicable data available.
Hazardous Decomposition Products	Hazardous thermal decomposition products: Fluorinated compounds

Section 11. Toxicological Information

Routes of Exposure	<i>On the skin:</i> slight irritation, Rabbit <i>On the eye:</i> slight irritation, Rabbit <i>Inhalation:</i> Due to lack of data the classification is not possible. <i>Ingestion:</i> Based on available data, the classification criteria are not met.
Respiratory or Skin Sensitization	Animal test did not cause sensitization by skin contact., Guinea pig
Signs and Symptoms of Overexposure	No data available
Toxicity Data	<i>Oral rat LD50</i> No data available
Carcinogenicity	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 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 present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

Section 12. Ecological Information

General Notes	Not readily biodegradable. The product contains no substances classified as hazardous to the environment in concentrations which should be taken into account.
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Section 13. Disposal Considerations

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 Information

DOT Shipping Name	Not classified as dangerous in the meaning of transport regulations.
UN Proper Shipping Name	Not classified as dangerous in the meaning of transport regulations.
DOT Hazard Class	Not classified as dangerous in the meaning of transport regulations.
Packing Group	Not classified as dangerous in the meaning of transport regulations.
UN Number	Not classified as dangerous in the meaning of transport regulations.
Hazardous Ingredients	Not classified as dangerous in the meaning of transport regulations.
DOT Label	Not classified as dangerous in the meaning of transport regulations.
DOT Placard	Not classified as dangerous in the meaning of transport regulations.
IMDG Shipping Name	Not classified as dangerous in the meaning of transport regulations.
UN Number	Not classified as dangerous in the meaning of transport regulations.
Class	Not classified as dangerous in the meaning of transport regulations.
Packing Group	Not classified as dangerous in the meaning of transport regulations.
IATA Shipping Name	Not classified as dangerous in the meaning of transport regulations.
Technical Shipping Name	Not classified as dangerous in the meaning of transport regulations.
IATA Hazard Class	Not classified as dangerous in the meaning of transport regulations.
UN Number	Not classified as dangerous in the meaning of transport regulations.
Hazardous Ingredients	Not classified as dangerous in the meaning of transport regulations.
IATA Label	Not classified as dangerous in the meaning of transport regulations.
IATA Placard	Not classified as dangerous in the meaning of transport regulations.

Section 15. Regulatory Information

OSHA Status	No data available
TSCA Status	On the inventory, or in compliance with the inventory
CERCLA Reportable Quantity	2000 lbs, based on the percentage composition of this chemical in the product
SARA Title III	No data available
RCRA Status	No data available
California Proposition 65	No data available
Chemical Weapons Convention	No data available
TSCA 12 (b)	No data available
SARA 313 Regulated Chemical(s)	Sodium nitrite
Australian Hazchem Code	No data available
Poison Schedule	No data available
WHMIS	No data available

Section 16. Other Information

Date Prepared: April 3, 2015

Revised: November 13, 2015 3:30 PM

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