



Material Safety Data Sheet

Revision Date 08-Aug-2013

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 93203
Product name TFE Pipe Thread Sealer with Teflon Sealant
Recommended Use
Supplier Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
May cause skin irritation and/or dermatitis.

Aggravated Medical Conditions
None Known

Principal Routes of Exposure
Skin. Ingestion.

Potential health effects

Eyes Eye contact may cause mechanical irritation.
Skin Repeated or prolonged exposure may cause: Mild irritation. Redness.
Inhalation none under normal use. When thermally decomposed, Teflon may cause polymer fume fever. Symptoms of polymer fume fever are chills, fever, and flu-like reaction .
Ingestion No adverse affects expected.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Calcium Carbonate	471-34-1	10-40
Paraffinic Mineral Oil	8042-47-5	20-30
Polytetrafluoroethylene	9002-84-0	10-30
Titanium dioxide	13463-67-7	1-5

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention if irritation persists.
Skin contact Wash area thoroughly with soap and water. Keep open wounds covered.
Ingestion Do not induce vomiting. Vomiting may cause aspiration pneumonia. In case of ingestion, the stomach should be emptied by gastric lavage under qualified medical supervision. Contact physician or poison control center immediately.
Inhalation Remove to fresh air.

5. FIRE FIGHTING MEASURES

Flash point °C > 176
Flash point °F > 350
Method Open cup
Autoignition temperature °C No data available
Autoignition temperature °F No data available
Flammability Limits (% in Air)
Upper No data available
Lower No data available

Suitable extinguishing media
Water fog. Carbon dioxide (CO₂). Dry chemical. Foam.

Special protective equipment for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Fire and Explosion Hazards
Material will not burn unless preheated . Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat . Contact with open flame generates corrosive and toxic fumes.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

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Thread Sealer with Teflon**

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Reclaim into containers for reuse, recycle, or proper disposal.

7. HANDLING AND STORAGE

Handling

Do not store with strong oxidizers.. Do not mix with acids or organics.
Keep out of reach of children.

Storage

Do not store in unlabeled or mislabeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Titanium dioxide	15 mg/m ³	-	10 mg/m ³	-
Paraffinic Mineral Oil	-	-	-	-
Calcium Carbonate	-	-	-	-
Polytetrafluoroethylene	-	-	-	-

Ventilation and Environmental Controls

Provide local exhaust ventilation.

Hygiene measures

General industrial hygiene practice. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

Respiratory protection

None necessary under normal conditions.

Hand Protection

Gloves are not required in normal use. Gloves are recommended in case of open wounds that are not appropriately protected. The following gloves are recommended for prolonged or repeated contact: . Latex gloves.

Eye protection

ANSI approved safety goggles are recommended to prevent accidental eye contact.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Color	Off-white
Odor	Petroleum
Odor Threshold	No information available
pH	No data available
Specific Gravity	1.5
Vapor pressure	> 0.0001 @ 20°C mmHg
Vapor density	No data available
Evaporation Rate	0

Water solubility	Negligible
VOC Content	23 g/L
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	> 343
Boiling point/range °F	> 650
Melting point/range °C	Not Applicable
Melting point/range °F	Not Applicable
Flash point °C	> 176
Flash point °F	> 350

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

> 550°F.

Incompatibility

Strong acids. Strong oxidizing agents. Hydrofluoric acid. Sulfuric acid. Nitric acid. Chlorine.

Hazardous Decomposition Products

The thermal decomposition vapors of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Titanium dioxide</i> 13463-67-7	10000 mg/kg	-	-
<i>Paraffinic Mineral Oil</i> 8042-47-5	5000 mg/kg	-	-
<i>Calcium Carbonate</i> 471-34-1	6450 mg/kg	-	-
<i>Polytetrafluoroethylene</i> 9002-84-0	-	-	-

Synergistic Products

None known

Potential health effects

Sensitization

None known

Chronic toxicity

None known

Mutagenic effects	None known
Teratogenic effects	None known
Reproductive toxicity	None known
Target Organ Effects	Eyes. Inhalation. Skin.
Carcinogenic effects	See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Titanium dioxide	A4	Group 2B	Not Listed	Not Listed	Listed
Paraffinic Mineral Oil	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Calcium Carbonate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Polytetrafluoroethylene	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Bioaccumulation Does not bioaccumulate

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Dispose in accordance with federal, state, and local regulations. Can be landfilled or incinerated, when in compliance with local regulations.

14. TRANSPORTATION INFORMATION

DOT

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATION

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Titanium dioxide	Not Listed	Listed	Carcinogen
Paraffinic Mineral Oil	Not Listed	Not Listed	Not Listed
Calcium Carbonate	Not Listed	Not Listed	Not Listed
Polytetrafluoroethylene	Not Listed	Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Titanium dioxide	X	X	-	X
Paraffinic Mineral Oil	X	X	-	X
Calcium Carbonate	X	X	-	X
Polytetrafluoroethylene	-	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations.

16. OTHER INFORMATION

NFPA

Health - 2
Flammability - 2
Reactivity - 0

HMIS

Health - 1
Flammability - 0
Physical Hazard - 0

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.