

Product**Trade Name: Pelseal® 3159** (A solution of fluoroelastomer liquid)**Date Prepared:** January 1, 2008

US Patent # 6,410,630

Prepared by: GH**1: Identification of Substance:****1.1 Trade Name:** Pelseal® 3159**1.2 Information on Manufacturer/Supplier:**Pelseal Technologies, LLC
401 Lafayette St.
Newtown, PA 18940
United StatesTel. (US): 1-215-497-1088
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Fax (Outside US): 01-215-245-7606**Emergency Contact:****In US: (CHEMTREC) 1-800-424-9300****Outside US: (CHEMTREC) 01-703-527-3887 (collect)****2: Composition/Information on Ingredients:**

Product Description: (A solution of fluoroelastomer liquid)

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Barium Sulfate	7727-43-7	15 mg/m ³ (dust)	10 mg/m ³ (dust)
Carbon black	1333-86-4	3.5 mg/m ³ (dust)	3.5 mg/m ³ (dust)
Titanium dioxide	13463-67-7	15 mg/m ³ (dust)	10 mg/m ³ (dust)
Magnesium oxide	1309-48-4	15 mg/m ³ (dust)	10 mg/m ³ (dust)
Acetone	67-64-1	1000 ppm/2400 mg/m ³	750 ppm/1780 mg/m ³
Methyl isobutyl ketone	108-10-1	100 ppm/410 mg/m ³	50 ppm/205 mg/m ³

3: Hazards Identification

Ingestion: Ingestion might cause nausea, vomiting, headaches, dizziness, gastrointestinal irritation.

Skin Contact: Contact with skin might cause irritation. Prolonged exposure might cause dermatitis.

Inhalation: Inhalation of vapors might cause headache, nausea, vomiting, dizziness, drowsiness, irritation of respiratory tract and loss of consciousness.

Eye contact: Contact with eyes might cause irritation.

4: First-aid Measures

Skin: Rinse with water.

Eyes: Immediately flush eyes with water for at least 15 minutes. Contact a Physician.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Contact a Physician.

Ingestion: Do not induce vomiting. Contact a Physician.

5: Fire-Fighting Measures

Suitable extinguishing media:	Use alcohol foam, dry chemical or carbon dioxide (water may be ineffective).
Decomposition Products:	Carbon monoxide, carbon dioxide, hydrogen fluoride, carbonyl fluoride
Firefighting procedures:	Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

6: Accidental Release Measures

Action to be taken if material is released or spilled:	Wear self contained breathing apparatus and full protective clothing. Shut off ignition sources. No flares, smoking or flames in the area. Stop leak if you can do so without risk. Use water spray to reduce vapors. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush area with water.
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7: Handling and Storage

Handling precautions:	Bond and ground containers when transferring liquid. Keep container tightly closed when not in use.
Storage:	Store in a cool, dry, well ventilated, flammable liquid storage area.

8. Personal Protection

Personal Protective Equipment:	
Respiratory:	Respiratory protection required if airborne concentration exceeds TLV. At concentrations up to 1000 PPM, a cartridge respirator with organic vapor cartridge is recommended. Above this level, a self-contained breathing apparatus is recommended.
Hand:	Rubber gloves resistant to methyl ethyl ketone.
Eye:	Splash-proof chemical goggles.
Skin:	Chemical apron.

9. Physical and Chemical Properties

Form:	Liquid
Color:	Gray
Odor:	Organic Solvent
Boiling Point (°C):	56
Melting Point:	NA
Specific gravity (water=1):	1.94
Flash Point (°C):	-9
Auto ignition temperature:	NA

10. Stability and Reactivity

Conditions to avoid:	Heat, flame, sparks and other sources of ignition.
Materials to avoid:	Strong oxidizing agents, strong bases, caustics, mineral acids, amines and acid anhydrides
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, hydrogen fluoride, carbonyl fluoride

11. Toxicological Information

Skin:	NA
Eyes:	NA
Inhalation:	NA
Ingestion:	NA
LC50: NA	LD50: NA

12. Ecological Information

Harmful to aquatic life.

13. Waste Disposal

Dispose according to local regulations.

14. Transport Information

Domestic Ground Transport (CFR)

Consumer Commodity (Based on appropriate packaging)

Air Transport (ICAO/ IATA)

UN No.: UN 1133

Class: 3 Packaging Group: III

Proper Shipping Name: Adhesives

Ocean (IMDG)

UN No.: UN 1133

Class: 3 Packaging Group: III

Proper Shipping Name: Adhesives

Packing Group assignment is based on conformance with the procedures prescribed in the UN Manual of Tests and Criteria Part III (flow time, solvent separation, container size, flash point and no other hazards present).

This information is not intended to convey all specific or regulatory requirements. It is the responsibility of the transporting organization to follow all applicable laws, rules and regulations relating to the transportation of the material.

15. Regulatory Information

Symbol(s): F (very flammable) Xi(Local irritating)

Risk phrases: R11-36/37

Safety phrases: S(2) - 9 - 16 - 25 - 33

16. Other Information

The information printed herein is based on technical information that Pelseal Technologies, LLC believes to be reliable. It is intended for use by persons having technical skill, at their own discretion and risk. The handling precaution information contained herein is given with the understanding that those using it will satisfy themselves that their use conditions present no health or safety hazards. The information might not reflect in all cases all the detailed requirements included in national or local legislation on the subject. The user should verify compliance of this information with relevant legislation in the country of use and/or disposal.