

Product**Trade Name:** Accelerator #4 (A curative for fluoroelastomer)**Date Prepared:** January 1, 2023**Prepared by:** GH

NOTE – The characteristics described in this SDS relate to the material in its LIQUID FORM. Once solid, the material will be more stable and less hazardous than the liquid material described here

1: Identification of Substance:**1.1 Trade Name:** Accelerator #4**1.2 Information on Manufacturer/Supplier:**

Pelseal Technologies, LLC
3161 State Rd., Suite G
Bensalem, PA 19020
United States

Tel. (US): 1-215-245-0581
Tel. (Outside US): 01-215-245-0581
Fax (US): 1-215-245-7606
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: Hazards Identification**

Classification – Skin Corrosion, Category 1B
Flammable Liquid, Category 2
Causes Serious Eye Irritation, Category 2A
Specific Target Organ Toxicity (Single Exposure), Category 3

Danger - Highly flammable liquid and vapor
May cause drowsiness or dizziness
Causes serious eye irritation
Repeated exposure may cause skin dryness or cracking
Causes severe skin burns and eye damage

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Avoid breathing dust/fumes/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking Tools.
Take Precautionary measures against static discharge.
Wear Protective gloves/eye protection/face protection.
Do not breathe mists.
Wash hands thoroughly after handling.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor/if you feel unwell.
In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.
Store in a well-ventilated place.
Keep locked up.
Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

3: Composition/Information on Ingredients:

Product Description: (A curative for fluoroelastomer)

Percentage of components is a trade secret

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Methyl Alcohol	67-56-1	200 ppm/260 mg/m ³	200 ppm/262 mg/m ³
Ethyl Alcohol	64-17-5	1000 ppm/1900 mg/m ³	1000 ppm/1880mg/m ³
Ketimine	25707-70-4	100 ppm	75 ppm

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
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:	Amber
Odor:	Organic Solvent
Boiling Point (°C):	78
Melting Point:	NA
Specific gravity (water=1):	0.82
Flash Point (°C):	14
Auto ignition temperature:	NA

10. Stability and Reactivity

Conditions to avoid:	Heat, flame, sparks and other sources of ignition.
Materials to avoid:	Aldehydes, esters, alkylene oxides, ammonia, halogens and acid anhydrides
Hazardous decomposition products:	Carbon monoxide, carbon dioxide

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)**

Limited Quantity (Based on appropriate packaging)

Air Transport (ICAO/ IATA)

UN No.: UN 2924

Class: 3(8) Packaging Group: II

Proper Shipping Name: Flammable Liquid, Corrosive, n.o.s.(ethyl alcohol/ ketimine)

Ocean (IMDG)

UN No.: UN 2924

Class: 3(8) Packaging Group: II

Proper Shipping Name: Flammable Liquid, Corrosive, n.o.s.(ethyl alcohol/ ketimine)

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

All components of this product are listed on or exempt from the TSCA Inventory.

California Prop65 Chemicals: This product contains chemicals known to the state of California to cause cancer and/or birth defects or other reproductive harm.

Methanol is a volatile liquid that will be present in the liquid product but not in the dried material.

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.

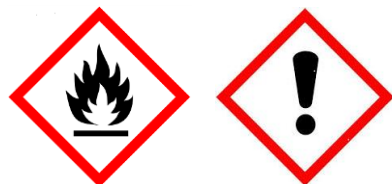
Product**Trade Name:** PLV 2000 (A solution of fluoroelastomer liquid)**Date Prepared:** April 26, 2018**Prepared by:** GH

NOTE – The characteristics described in this SDS relate to the material in its LIQUID FORM. Once solid, the material will be more stable and less hazardous than the liquid material described here. Also, some hazardous components (such as respirable dusts) are listed even though they don't present that hazard in either the liquid or solid form of this product.

1: Identification of Substance:**1.1 Trade Name:** PLV 2000**1.2 Information on Manufacturer/Supplier:**

Pelseal Technologies, LLC
3161 State Rd., Suite G
Bensalem, PA 19020
United States

Tel. (US): 1-215-245-0581
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Fax (US): 1-215-245-7606
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: Hazards Identification**

Classification – Flammable Liquid, Category 2
Specific Target Organ Toxicity (Single Exposure), Category 3

Danger - Highly flammable liquid and vapor
May cause drowsiness or dizziness
Causes serious eye irritation
Repeated exposure may cause skin dryness or cracking

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Avoid breathing dust/fumes/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking Tools.
Take Precautionary measures against static discharge.
Wear Protective gloves/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor/if you feel unwell.
In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.
Store in a well-ventilated place.
Store locked up.
Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

3: Composition/Information on Ingredients:

Product Description: (A solution of fluoroelastomer liquid)

Percentage of components is a trade secret

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Methyl ethyl ketone	78-93-3	200 ppm/590 mg/m3	200 ppm/590 mg/m3
Carbon black	1333-86-4	3.5 mg/m3 (dust)	3.5 mg/m3 (dust)
Magnesium oxide	1309-48-4	15 mg/m3 (dust)	10 mg/m3 (dust)

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.

Note: Corrosive Hydrogen fluoride may be liberated in fire situations. Use appropriate procedures and protective equipment when handling and disposing of corrosive residue.

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.

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:	Black
Odor:	Organic Solvent
Boiling Point (°C):	80
Melting Point:	NA
Specific gravity (water=1):	0.91
Flash Point (°C):	-7
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

Note: Hydrogen fluoride is corrosive and may be liberated if liquid or dried material is burned or exposed to temperatures greater than 600° F. Handle residue with care and avoid skin contact.

11. Toxicological Information

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

Carbon Black is listed as a Group B Possible Carcinogen by IARC

12. Ecological Information

Harmful to aquatic life.

13. Waste Disposal

Dispose according to local regulations.

14. Transport Information

Domestic Ground Transport (CFR)

Limited Quantity (Based on appropriate packaging)

Air Transport (ICAO/ IATA)

UN No.: UN 1139

Class: 3 Packaging Group: II

Proper Shipping Name: Coating solution

Ocean (IMDG)

UN No.: UN 1139

Class: 3 Packaging Group: II

Proper Shipping Name: Coating solution

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

All components of this product are listed on or exempt from the TSCA Inventory.

California Prop65 Chemicals: This product contains chemicals known to the state of California to cause cancer and/or birth defects or other reproductive harm.

Carbon Black is included on the Prop 65 list because of its hazard as a respirable dust. It is not a respirable dust in this product.

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.