MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Trade Name: LC-25
Product #: LC-25
Product: High Performance Fluoropolymer Coating
Color: Gray

Emergency: Spill, leak, fire, exposure, or accident, call CHEMTREC day or night
Domestic North America **800.424.9300** International **703.527.3887**

Manufacturer: PolyVers International
87 Shawnee Ave
Kansas City, KS 66105

Phone: 913.321.9000

Cert. # 725019-X

SECTION 2: HAZARDOUS INGREDIENTS

Ingredient	CAS No.	Weight %	OSHA PEL ppm	OSHA TWA ppm	ACGIH TWA ppm	ACGIH STEL ppm	Toxicity Data LD_{50}, oral, rat g/kg
Tertiary Butyl Acetate	540-88-5	<40	200	200	200	200	Nd
Methyl Ethyl Ketone	78-93-3	<40	200	200	200	300	6.4
Fluoropolymer	74398-72-4	<30	-	-	-	-	-
Carbon Black	1333-86-4	<10	3.5*	3.5*	3.5*	3.5*	10.0
CG6720	002530-83-8	<5	Ne	Ne	Ne	Ne	Ne
TiO2	13463-67-7	>10	15*	10*	10*	-	24.0

Notes: *=mg/m3

Suspected Cancer Agents:
None of the above are suspected cancer agents. All ingredients are listed in the TSCA directory.

SECTION 3: PHYSICAL DATA

Boiling Range, °F: 175-242 ºF:

Vapor Density: MEK = 2.5; TBA = Nd

Evaporation Rate: MEK = 5.70; TBA = 2.8 (Butyl Acetate = 1)

Vapor Pressure, mm Hg @ 68 °F: MEK = 70; TBA = AP 143 mmHg (@ 122ºF)

Volatiles, % by Weight: 2.32 lbs per gallon

SECTION 4: FIRE AND EXPLOSION DATA

Flammability: **OSHA:** Flammable

Extinguishing Media: Foam, CO2, Dry Chemical

Flash Point, °F: 21 - 60

LEL: MEK = 2% TBA = Nd

DOT Haz Class: 3
Dot Packing Gr: II

UN: TBA = 1123
MEK = 1193

Unusual fire and explosion hazards:

Vapors are heavier than air and may form a layer at ground level. Isolate from heat, electrical equipment, sparks, and open flame. Wear self-contained breathing apparatus. Closed containers may explode when exposed to extreme heat.

SECTION 5: HEALTH AND HAZARD DATA

Entry Routes: Inhalation and skin contact.

Medical Conditions Aggravated/Exposure Effects:

Eyes:	Can cause severe irritation, redness, tearing, blurred vision.
Skin:	Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
Inhaling:	Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatique, nausea, headache, possible unconsciousness, and even asphyxiation.
Swallowing:	Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Emergency and First Aid Procedures:

Eyes:	Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.
Skin:	Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.
Inhaled:	If affected, remove individual to fresh air. If breathing difficulties persist, oxygen should be administered by qualified personnel. If breathing has stopped, immediately give artificial respiration. Keep person warm and quiet. Get medical attention.
Swallowed:	Do not induce vomiting. Keep person warm, quiet, and get medical attention. Aspiration of material deep into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

SECTION 6: REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	Heat, open flame, sparks
Incompatibility (Materials to Avoid):	Strong oxidizers
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, hydrogen fluoride
Hazardous Polymerization:	Will not occur

SECTION 7: SPILL OR LEAK PROCEDURES

Spills, Leaks:	Eliminate all sources of ignition. Use absorbent cleanup materials or sweep up. Place in separate container.
Waste Disposal:	In separate, closed, metal container in accordance with all applicable regulations.

SECTION 8: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	NIOSH/MSHA certified respirator. Use air-line respirators in confined or restricted ventilation areas.
Ventilation:	Sufficient ventilation, in volume and pattern, should be provided to keep air contaminant concentrations below TLV limit.
Protective Gloves:	Neoprene or other solvent-resistant material.
Eye Protection:	Splash-proof goggles or face shield.
Other Protective Equipment:	Full protective clothing and shoe coverings.
Hygienic Practices:	Wash thoroughly before eating, smoking, or using restroom. Launder contaminated clothing before re-use.

SECTION 9: SPECIAL PRECAUTIONS

Handling and Storage:	Keep container closed, upright when not in use. Store in cool, dry, well-ventilated area. Keep away from feed and food products.
Other Precautions:	Do not take internally. Avoid prolonged breathing of vapors, spray mist, or dust. Avoid contact with skin and eyes. Chronic overexposure to both MEK and MIBK has been reported to cause kidney and liver damage in laboratory animals.