



Material Safety Data Sheet

Uniplas, Inc.

MSDS: LCA® POM
Copolymer

Section 1

Uniplas, Inc.
1145 Sutton Street
Howell, MI 48843

Telephone Numbers: (517) 295-4196
Product Information (Uniplas, Inc.)
Transportation Emergency – Chemtrec:
(800) 424-9300

MATERIAL IDENTIFICATION

PRODUCT NAME:	LCA® POM M-90 Type, LCA® POM CO9IM		
CHEMICAL NAME:	Polyoxymethylene Copolymer		
CAS NO.:	Polyoxymethylene Copolymer	24969-26-4	< 96.0%
	Carbon Black (if Black)	1333-86-4	< 2.0 – 4.0%
PRODUCT USE:			

Section 2

HAZARDOUS INGREDIENTS (Additives not hazardous by 29 CFR 1910.1200)

Identity	CAS Number	Concentration
Formaldehyde	50-00-0	Trace

Section 3

HEALTH HAZARD DATA

Acute or immediate effects:

Routes of entry and systems: Routes of entry for solids and liquids include eye and skin contact, ingestion, and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Ingestion:	
Skin:	Molten materials can cause thermal burns.
Eye:	Contact of the decomposition products with the eyes may result in



Material Safety Data Sheet

Uniplas, Inc.

MSDS: LCA® POM
Copolymer

	irritation. IF material is subjected to excessive heat, the primary decomposition of formaldehyde is highly irritating to the eyes.
Inhalation:	Formaldehyde overexposure can cause symptoms of bronchial asthma, breathing difficulties, coughing, CNS effects, pneumonia, and pulmonary edema.

Section 4

EMERGENCY FIRST AID

Eyes:	If contacted with decomposition products, immediately wash eyes with running water for 15 minutes. If irritation develops, get medical attention.
Skin:	Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. IF irritation develops, get medical attention.
Inhalation:	Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.
Ingestion:	If swallowed, dilute with water. DO NOT INDUCE VOMITING.
Chronic Effects:	Chronic inhalation studies in animals have shown that formaldehyde causes nasal cancer in rats. The International Agency for Research on Cancer has classified formaldehyde as a carcinogen in Group2A, and the National Toxicology Program included formaldehyde in its Annual Report on Carcinogens. OSHA regulates formaldehyde in 29 CFR 1910.1048.
Medical Conditions generally aggravated by this material:	No data available.

Section 5

FIRE AND EXPLOSION HAZARD DATA

Flash Ignition Temperature:	320-340°C
Unusual Fire/Explosion Hazards:	Formaldehyde may be released if product is exposed to excessive heat or fire. Airborne dust



Material Safety Data Sheet

Uniplas, Inc.

MSDS: LCA® POM
Copolymer

	may be explosive. Explosivity of dusts increase with decreasing particle size, so the production of fines should be minimized.
Hazardous Combustion Products:	
Special Fire Fighting Instructions:	Firefighters should be equipped with self-contained breathing apparatus and turn out gear.
Extinguishing Media:	Water fog, foam, dry chemical

Section 6

ACCIDENTAL RELEASES

Spill or Release: Reclaim for processing if possible. Spills should be contained and placed in suitable containers for disposal in a licensed facility. This material is not regulated by RCRA or CERCLA. Unused material and empty containers must be disposed of in accordance with local, state, and federal regulations.

Section 7

STORAGE CONDITIONS

NORMAL HANDLING

Storage Temperature (Min/Max):

Shelf Life:

Special Sensitivity: Avoid extreme heat. Protect from moisture during transportation and storage. Pellet handling equipment should be grounded to prevent build up of electrostatic charge. Pellets on floor may be slippery and cause falls. Avoid dust accumulation.

STORAGE RECOMMENDATIONS:

Section 8

PROTECTION INFORMATION

Eye:	Safety glasses with side shields should be worn during industrial operations.
Skin:	Gloves, coveralls, apron, and boots as necessary to prevent contact.
Ventilation:	Local exhaust ventilation at source may be needed



Material Safety Data Sheet

Uniplas, Inc.

MSDS: LCA® POM
Copolymer

	when processing molten material
Respirator:	NIOSH/MSHA approved organic vapor cartridge respirator may be needed when handling molten material.
Additional Protective Measures:	

Section 9

PHYSICAL/CHEMICAL DATA

Appearance:	Black Pellets
Odor:	None
Melting Point:	N/A
Solubility in Water:	Insoluble
Volatile Content %:	
Specific Gravity:	Typical Low/High 1.35-1.45 U.O.M.

Section 10

HAZARDOUS REACTIVITY

Stability at Room Temperature:	Stable
Materials to Avoid:	Avoid contact with polyvinylchloride (PVC and other plastic that contain halogenated flame-retardants when processing. Avoid contact with strong oxidizers and inorganic acids, e.g. hydrochloric, sulfuric acids, etc.
Conditions to Avoid:	Avoid extreme heat; decomposition occurs at temperatures above 240°C
Decomposition Temperature:	
Decomposition Products:	Formaldehyde, Carbon Monoxide

Section 11

TOXICOLOGICAL INFORMATION

Toxicity Data for:
Acute Toxicity
Eye Effects:
Skin Effects:
Other Acute Effects:



**Material Safety Data
Sheet**

Uniplas, Inc.

MSDS: LCA® POM
Copolymer

Medical Conditions Prone to Aggravation by Exposure:

Carcinogenicity:

NTP –

IARC –

OSHA -

Section 12

ECOLOGICAL INFORMATION

Aquatic Toxicity:

Section 13

DISPOSAL

Spill or Release:

Waste Disposal:

Section 14

TRANSPORT INFORMATION

DOT Hazard Class:	None
Technical Shipping Name:	None
Freight Class Bulk:	None
Freight Class Package:	None
Product Label:	None

Section 15

REGULATORY INFORMATION

OSHA Status:

SARA TITLE III:



Material Safety Data Sheet

Uniplas, Inc.

MSDS: LCA® POM
Copolymer

Section 302 – Extremely Hazardous Substances:

Section 311/312 Hazard Categories:

Section 313 Toxic Chemicals:

RCRA Status:

United States TSCA Status:

STATE RIGHT TO KNOW LAWS – The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements, contact the appropriate agency in your state

Component Name	
CAS Number	Concentration

PENNSYLVANIA:

CALIFORNIA:

SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER:

SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:

HMIS Rating

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Health	
Flammability	
Reactivity	
PPE	



MSDS: LCA® POM
Copolymer

**Material Safety Data
Sheet**

Uniplas, Inc.

Acute *Chronic

Section 16

MISCELLANEOUS INFORMATION

The information set forth herein has been gathered from standard reference materials and/or supplier test data and is, to the best knowledge and belief of Uniplas, Inc., accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones that exist. Uniplas, Inc. makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility therefore.

END OF MSDS