

## MSDS

### POM-C (Black)

Material Safety Data Sheet  
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#### 1. PRODUCT AND IDENTIFICATION

**Product name:** Acetal Copolymer (POM-C) Black  
**Chemical Name:** Polyoxymethylene Copolymer  
**CAS Number:** 24969 26 4  
**Product use:** Thermoplastic stock-shape for machining

**Company ID:** Viva Nylons Limited  
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#### 2. HAZARD IDENTIFICATION

**GHS Classifications:** Not applicable  
**GHS label elements:**  
 Classification: None  
 Signal word: None  
 Hazard statement: None  
 Precautionary statement: None

#### 3. COMPOSITION INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight %
Polyoxymethylene Copolymer	24969-26-4	>99
Carbon black	1333-86-4	<1
Formaldehyde	50-00-0	Trace level contamination

Being a Polymeric material, all constituent components are encapsulated within the polymer matrix and therefore present no likelihood of exposure under normal conditions of processing or handling.

#### 4. FIRST-AID MEASURES

**Eye:** Flush with water for 15 minutes and seek medical attention if irritation persists.  
**Skin:** No skin contact health risks at ambient temperature. If skin is exposed to molten material, cool under running water. Do not attempt to remove molten material, seek medical attention immediately.  
**Inhalation:** If fumes from overheating are inhaled, seek fresh air. Seek medical attention if respiratory or breathing difficulties occur.  
**Ingestion:** Rinse mouth with water, do not induce vomiting and seek medical attention.

**Notes to physician:** Product is inert and nontoxic. However, if overheated or burned, gases such as carbon monoxide and formaldehyde may be released. Formaldehyde is a respiratory irritant gas, if inhaled in high concentrations, patient should be

#### 5. FIRE-FIGHTING MEASURES

**Instructions:** Firefighters should wear full-face self-contained breathing apparatus and protective clothing. Product burns with invisible flame, extinguish fires with water, foam, carbon-dioxide or dry chemical extinguishers.

**Material hazard:** Carbon-oxides and formaldehyde gases / vapors are produced when POM-C burns. POM-C dust is flammable when finely dispersed and suspended in air.

#### 6. HANDLING AND STORAGE

**Handling:** Evacuate residue to prevent slippage hazard, sweep-up for disposal.  
**Handling hygiene:** Wash hands after working with the materials and before eating.  
**Storage:** Store in a ventilated area away from heat and sunlight.  
**Safe storage:** Store in a sprinkler protected facility. Avoid contact with ignition sources such as open flames.

#### 7. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** Provide driven ventilation to minimize airborne particles and fumes to accumulate.  
**Personal Protective Equipment (PPE):**  
**Eyes / face (PPE):** Safety glasses with side shields  
**Skin (PPE):** If handling molten material, wear protective long-sleeve clothing, heat-resistant gloves & work boots.  
**Respiratory (PPE):** NIOSH approved respirator is recommended.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Particulates	10mg/m <sup>3</sup>	15mg/m <sup>3</sup> (total) 5mg/m <sup>3</sup> (Respirable)	Not determined
Carbon black	3.5mg/m <sup>3</sup>	3.5mg/m <sup>3</sup>	3.5mg/m <sup>3</sup>
Formaldehyde	0.3 ppm (Ceiling)	0.75 ppm (TWA) 2.0 ppm (STEL)	0.016 ppm (TWA) 0.1 ppm (Ceiling)

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#### 8. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Solid Rod, sheet, tube, billets and strips
<b>Odor:</b>	None
<b>Density:</b>	1.41/cm <sup>3</sup>
<b>Water solubility:</b>	Insoluble
<b>Melting point:</b>	165°C (329°F)
<b>Decomposition temperature:</b>	230°C (446°F)
<b>Flash point:</b>	320°C (608°F)
<b>Vapor pressure:</b>	<0.001mmHg

#### 9. STABILITY

<b>Chemical stability:</b>	Stable under normal conditions
<b>Conditions to avoid:</b>	Do not heat above 230oC (446°F)
<b>Incompatibility:</b>	Strong acids and oxidizing agents
<b>Hazardous decomposition products:</b>	Temperatures ≥ 230°C (446°F) product releases heavy formaldehyde fumes
<b>Melting point:</b>	165°C (329°F)
<b>Decomposition temperature:</b>	230°C (446°F)

#### 10. TOXICOLOGICAL INFORMATION

<b>Aggravated medical:</b>	None
<b>Acute effects:</b>	Non-toxic
<b>Skin irritation:</b>	Not irritating to the skin
<b>Eye damage / irritation:</b>	Particulates can be mechanically irritating to the eye.
<b>Respiratory / skin sensitization:</b>	Not expected to be a sensitizer
<b>Germ cell mutagenicity:</b>	Not expected to be a germ cell mutagen
<b>Carcinogenicity:</b>	Not classifiable as carcinogen to humans
<b>Reproductive toxicity:</b>	No known reproductive toxicity effects
<b>Aspiration Hazard:</b>	Not expected to be an aspiration hazard

#### 11. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No known ecological toxicity values
<b>Persistence and degradability:</b>	Expect high persistence and slow degradability
<b>Bioaccumulative potential:</b>	Expect moderate to high bioaccumulative potential
<b>Mobility in soil:</b>	No data available

#### 13. DISPOSAL CONSIDERATION

<b>Recycling:</b>	Greatly encouraged
<b>Disposal:</b>	In accordance with local regulations

#### 14. TRANSPORT INFORMATION

<b>UN No.:</b>	Not classified as dangerous goods under transport regulations (UN RTDG)
<b>US Department of Transport:</b>	Classification (49CFR) – not classified as hazardous for transport
<b>Mobility in soil:</b>	No data available

#### 14. REGULATORY INFORMATION

<b>US regulations</b>	
<b>TSCU:</b>	Ingredients are listed in the TSCA Inventory or are compliant with TSCA polymer exemption rules.
<b>SARA:</b>	Product does not contain any toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372