VIVA | NYLONS

MSDS
POM-C

Material Safety Data Sheet

1. PRODUCT AND IDENTIFICATION

Product name:	Acetal Copolymer (POM-C)
Chemical Name:	Polyoxymethylene Copolymer
CAS Number:	24969 26 4
Product use:	Thermoplastic stock-shape for machining
Company ID:	Viva Nylons Limited 26 Lunsford Road, Leicester, LE5 0HJ, United Kingdom T: 44 (0)116 246 5801, E: sales@vivanylons.com, W: www.vivanylons.com

2. HAZARD IDENTIFICATION

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

3. COMPOSITION INFORMATATION ON INGRDIENTS

Chemical name	**CAS No.**	**Weight %**
Polyoxymethylene Copolymer	24969-26-4	100
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 is 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^3	15mg/m^3 (total) 5mg/m^3 (Respirable)	Not determined
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

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

9. STABILITY

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

10. TOXICOLOGICAL INFORMATION

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

11. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATION

Recycling:	Greatly encouraged
Disposal:	In accordance with local regulations

14. TRANSPORT INFORMATION

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

14. REGULATORY INFORMATION

US regulations

TSCU:	Ingredients are listed in the TSCA Inventory or are compliant with TSCA polymer exemption rules.
SARA:	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