MSDS
Material Safety Data Sheet

POM

PSR Plastics
Components to Industry

Product Name	**POM**
Chemical Name	POLYOXYMETHYLENE
CAS NO	24969-26-4 (POLYMER)
Product Use	Engineering Plastic Stock Shape for Machining
Company Identification	PSR Industrial Ltd.
	Namdongseo-ro, Namdong-Gu, Incheon-City, Korea
	(TEL:82-32-677-2971, FAX:82-32-677-2974)

Hazard Identification	
Emergency overview	
NFPA Rating	Health = 1, Flammability = 1, Reactivity = 0
Eye	Degradation vapors may cause irritation.
Skin	Hot and molten material has the potential to cause thermal burns.
Inhalation	Shapes not respirable.
Ingestion	No specific information available on the product.

Composition, Information on Ingredients

Additives not hazardous by 29 CFR 1910.1200.

Identity	CAS#	Concentration(%)
Polyoxymethylene	24969-26-4	>97
Other additives	-	<3

First Aid Measures	
Eye	Immediately flush eyes with plenty of water. Seek medical attention if discomfort persists.
Skin	If hot and molten acetal contact skin, cool rapidly with cold water. If acetal is stuck to skin, do not remove, and seek medical attention. And allow adhered acetal to come off naturally.
Inhalation	Acetal is not likely to be inhaled due to physical form. When gas from molten acetal is inhaled, move to fresh air.
Ingestion	If a significant quantity has been swallowed, give plenty of water to dilute. Seek medical attention.
Note to Physicians	This product is essentially inert and nontoxic. However if it is overheated or burns, gases such as carbon monoxide and formaldehyde may be released. Formaldehyde is a respiratory irritant gas. If patients may have inhaled high concentrations of irritating fumes they should be monitored for delayed onset pulmonary edema.

Fire Fighting Measures	
Flash Point	350°C (662°F)
Unusual Fire, Explosion Hazards	None known.
Hazardous Product of Combustion	Carbon monoxide, carbon dioxide and formaldehyde.
Extinguishing Media	Carbon dioxide, dry chemical, foam or water spray.
Firefighting Instructions	Firefighters should wear self-contained breathing ap paratus and full fire-fighting turn-out gear (bunker gear). Product burns with a very hot, but very faint blue flame. Water, foam and dry chemical may cause damage to electrical equipment.

Accidental Release Measures	
Personal Precaution	Sweeping to prevent fall.
Environmental Protection	No special measures.

Handling and Storage	
Handling	Evacuate residue to prevent slipping hazard.
Storage	Store in well-ventilated area away from heat and sunlight.

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Exposure Controls / Personal Protection			
Engineering Controls	A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended.		
Protective Equipment			
Eyes	Wear safety glasses with side shields should be sufficient for most processing and machining runs.		
Skin	When thermal or melt processing, wear long pants, long sleeves and well insulated gloves.		
Inhalation	A NIOSH approved respirator is recommended.		
Exposure Guidelines			
	Operations involving grinding and machining of parts should be reviewed to assure that particulate levels are kept below recommended standard.		
	Ingredient	Agency	Value
	Nuisance/Inert Dust	PEL(OSHA)	15mg/cm^3
Physical and Chemical Properties			
Appearance	Solid		
Smell	None		
PH	Not applicable		
Water Solubility	Insoluble		
Boiling Point	Not applicable		
Melting Point	165°C (329°F)		
Vapor Pressure	<0.001mmHg		
Specific Gravity	1.39 ~ 1.43		
Stability and Reactivity			
Chemical Stability	Stable under normal conditions of use and storage.		
Condition to Avoid	Heating above 230°C (446°F) - Forms formaldehyde.		
Materials to Avoid	Strong acids, base(decomposes forming formaldehyde) and oxidizing materials.		
Hazardous Decomposition Products	Trioxane, formaldehyde and formic acid.		
Toxicological Information			
	No specific information available on the product.		
Ecological Information			
Ecotoxicity	No specific information available on the product.		
Environmental Information	This material is considered to be non-biodegradable.		
Aquatic Toxicity	Toxicity is expected to be low based on insolubility of polymer in water.		
Disposal Considerations			
	Recycling is encouraged. Dispose in accordance with local regulations.		
Transportation Information			
	This product is not subject to transport regulations.		
Regulatory Information			
Section 313 Supplier Notification	This 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.		
California Proposition 65	Substances known to the state of California to cause cancer: Formaldehydes. Substances known to the state of California to cause birth defects or other reproductive harm: None known.		

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Labeling Information(EEC)	
	Not subject to labeling.
Other Information	
	This product is not intended for use in medical applications involving permanent implantation in the human body. The information contained herein is based on the present state of our knowledge. We don't suggest or guarantee that any hazards listed herein are the only ones that exist. PSR Industrial Ltd. Makes no warranty of any kind concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and this material may aggravate the effects of other materials.
	Users have the sole responsibility to determine the suitability of the materials of any use and the manner of use contemplated. Users must meet all applicable safety and health standards.