

Material Safety Data Sheet		
Part 1	Item and Vendor Information	
Item	Polyoxymethylene	
Product Code	/	
Manufacturer or Supplier Name, Address and Phone Number	Name: Formosa Plastics Corporation – Polyacetal plant Address: No. 3, Zhongyang Industrial Zone, Zhongyang Village, Xingang Township, Chiayi County, Taiwan.	
Emergency Contact Telephone/Fax	Zhicheng Huang: (05)3772111-123 / (05)377-0312	
Part 2	Component Identification Information	
Name	Polyoxymethylene	
Synonym Name	Polyacetal, Acetal resin	
CAS No.	24969-26-4	
Percentage of Hazardous Substance Composition	100%	
Part 3	Hazard Identification Data	

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The Most Important Hazards and Effects	Health Hazard Effects	Inhalation: can cause inflammation of the nose and throat, bronchial pneumonia; Skin: Frequent contact causes skin hardening, darkening, dermatitis, and skin irritation; Eyes: The liquid can cause serious burns to the eyes; Ingestion: Causes serious irritation, burning, and inflammation of the mouth, throat, and stomach, and can cause severe abdominal pain and loss of consciousness. For rat experiments, it is carcinogenic.
	Environmental Impact	/
	Physical and Chemical Hazards	/
	Special Hazards	/
Main Symptoms	The polyacetal, after the heat melting, if formaldehyde vapor is generated, is severely irritating and causes skin burns.	
Classification of Item Hazards	4(Flammable Solids)	

Part 4	First-aid	
Inhalation	1. Move the patient to fresh air; 2. If not breathing, give artificial respiration or cardiopulmonary resuscitation immediately; 3. Get medical attention immediately.	
Skin Contact	1. Take off the infected clothes; 2. Quickly flush with plenty of water for fifteen minutes; 3. Get medical attention immediately.	
Eyes Contact	1. Immediately flush with plenty of water, and constantly open the upper and lower eyelids; 2. Get medical attention immediately.	
Ingestion	1. Do not induce vomiting; 2. Give the patient 500 to 800ml of water to dilute the stomach material; 3. After spontaneous vomiting, repeatedly give water and seek medical attention.	
The Most Important Symptom and Harm Effect Summary		/
Protection of Emergency Personnel		/
Tips for Physicians		/

Part 5	Extinguishing Measures	
Suitable extinguishing agent	Chemical dry powder, carbon dioxide, foam	
Special Hazards During Extinguishing	/	
Special Extinguishing Procedures	1. Spray water to cool the surface of the material exposed to the fire and protect the relief personnel; 2. Cut off the fire source from the fire site with safety permission; 3. Disperse the steam with the water spray if the excrement does not catch fire; 4. Allow the fire to continue burning under control or extinguish the fire with foam or chemical dry powder; 5. Wear a self-carrying respirator in indoor fire or large outdoor fire.	
Special Protective Equipment for Firefighters		/

Part 6	Leakage Treatment Method	
Personal Attention	Workers should wear appropriate protective gear.	
Environmental Considerations	/	
Cleaning Method	/	

Part 7	Safe Disposal and Storage Methods	
Disposal	These products need to be incinerated or buried safely	
Storage	1. The storage container should be marked full. When not in use, the container should be sealed; 2. The container should avoid physical injuries such as heavy blows; 3. The product should be stored in a cool, dry, well-ventilated place away from the workplace. 4. Keep away from heat, sparks and flames; 5. Avoid direct sunlight; 6. It is best to store them separately in empty places.	

Part 8	Exposure Prevention Measures			
Engineering Control		/		
Control parameters:				
TWA		STEL	CEILING	BEIS
/		/	/	/
Personal Protective Equipment	Eyes: chemical safety goggles; Respiratory: organic filter jar respirator & self-contained breathing apparatus; Gloves: dust-proof gloves; Skin: Aprons & work boots.			
Health Measures	Staff should wear proper guards according to regulations. No smoking or diet is allowed in the workplace.			

Part 9	Physical & Chemical Properties	
Status	Granular	
Color	Milky	
PH	/	
Form	Solid	
Smell	/	
Boiling Point	Milky	
Decomposition Temperature	>460°F (238℃)	
Flash Point	/ (Test Methods: /)	
Auto-ignition Temperature	/	
Explosion Limit	Not Tested	
Steam Pressure	/	
Steam Density	/	
Density	/	
Solubility	0.2~0.25%(24HR immersion at 25℃)	

Part 10	Stability and Reactivity	
Stability	Be stable under normal conditions	
Hazardous Reactions Occurred under Special Circumstances	32-2 health hazard effects	
The Situation to Avoid	Avoid contact with fire	
Materials to Avoid	Strong oxidants & strong acids	
Hazardous Decomposition Products	The combustion decomposition product is CO, CO2.	

Part 11	Toxic Data	
Acute Toxicity	/	
Local Effect	/	
Sensitivity	/	
Slow or Long-term Toxicity	/	
Special Effects	/	

Part 12	Ecological Data	
Possible environmental impact	/	

Part 13	Waste Disposal Methods	
Waste Disposal Method	1. Chemical incineration; 2. Being buried	

Part 14	Shipping Information	
International Shipping Regulations	/	
UN Code	/	
Domestic Shipping Regulations	/	
Special Shipping Methods & Precautions	/	

Part 15	Regulatory Information	
Applicable Regulations	/	

Part 16	Other Information	
References	/	
Form-maker Unit	Name: Formosa Plastics Corporation– POM Plant	
	Address/Phone: No. 3, Zhongyang Industrial Zone, Zhongyang Village, Xingang Township, Chiayi County, Taiwan.	
Form Maker	Job Title: Work Safety	Name: Zhicheng Huang

