

Product Name: **Acetal**

Synonyms: **Copolymer Polyacetal**

Acetal

Composition / Information on Ingredients

Material	%	TLV	PEL
Acetal	99.0	N/A	None established
Pigment	1% or less	N/A	N/A

Physical and Chemical Properties

Melting Point: 160°C
Vapor Pressure: N/A
Vapor Density: N/A
Solubility in Water: Not Soluble
Ph: N/A
Specific Gravity: 1.40-1.41
% Volatile By Volume: N/A
Appearance and Odor: Pellet form slight to no odor

Fire and Explosion Hazards

Flashpoint: 320-340°C
Auto Ignition Temperature: 240°C
Flammable Limits (STP): N/A

Extinguishing Media: Use water fog, foam or dry chemical extinguishing media

Special Fire Fighting Protective Equipment: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear

Unusual Fire and Explosion Hazards: Formaldehyde may be released when over heated. Molten plastics, dust can cause explosion hazards.

Stability and Reactivity

Stability: Stable

Incompatibility: Avoid contact with Polyvinyl chloride (PVC) materials when processing acids and strong oxidizers.

Hazardous Decomposition Products: CO₂, Carbon Monoxide, Formaldehyde and Fluorine Gases.

Hazardous Polymerization: Will not occur

Health Hazard Identification

General: Toxicity information is not available for this composite. The health hazard assessment is based on information available for the components involved in the composite.

Inhalation: Dust from product can cause irritation of the respiratory system. See precautions and personal protection (section 8 for more information) people with sensitive respiratory systems should wear respirators.

Other Effects of Overexposure:
If used alone: no hazards

If Overheated: releases formaldehyde which can cause irritation to the upper respiratory tract and can effect those who are sensitive. Formaldehyde has been classified as a carcinogen after chronic overexposure.

Acetal (cont.)

First Aid Procedures

Skin: Wash with cool water and treat for thermal burns. Do not peel off plastic from skin, but get medical treatment quickly.

Eyes: If contact occurs during the decomposition of the product, flush with water for 15 minutes. If irritation develops, get medical attention.

Inhalation: Get to fresh air quickly.

Disposal Considerations / Spill or Leak Procedures

Disposal Method: Dispose of in Local, State or Federally approved landfill for such materials.

Spills: Sweep, vacuum or shovel into a drum for disposal or reuse. No special precautions are needed.

Exposure Controls / Personal Protection

Ventilation: Local exhaust

Respiratory: Standard MSHA / NIOSH approved respirator for dust and vapors.

Other protective equipment: Gloves, heat resistant shoes, clothing and safety glasses are recommended.

Special Precautions

None Needed

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