

# SAFETY DATA SHEET



## Acetal

Version 1

Revision Date 07/09/2024

Print Date 07/09/2024

### SECTION 1: IDENTIFICATION

Product Names: Acetal  
Other / Generic Names: Polyoxymethylene

#### Manufacturer or supplier's details

Company: The Gund Company, Inc.  
2121 Walton Road  
St. Louis, MO 63114  
Telephone: (314) 423-5200  
Visit Our Website: [www.thegundcompany.com](http://www.thegundcompany.com)  
Email Address: [info@thegundcompany.com](mailto:info@thegundcompany.com)  
Emergency Telephone: (262) 522-7990

#### Recommended use of the chemical and restrictions on use

Recommended use: Engineering thermoplastic stock shape.  
Restrictions on use: See *Section 15* for restrictions.

### SECTION 2: HAZARDS IDENTIFICATION

#### GHS Classification

Not classified as hazardous.

#### GHS Label Element

None required.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### Hazardous components

| Component                  | CAS-No.    | Concentration (%)       |
|----------------------------|------------|-------------------------|
| Polyoxymethylene Copolymer | 24969-26-4 | >99%                    |
| Formaldehyde               | 50-00-0    | Trace level contaminant |

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### SECTION 4: FIRST AID MEASURES

For dust generated from further processing or fumes generated from thermal decomposition:

**EYE CONTACT:** Flush eyes with water as precaution. Remove contact lenses if applicable. Protect unharmed eye. Keep eye wide open while rinsing. If irritation persists, seek medical attention.

**SKIN CONTACT:** No health risks concerning skin contact at room temperature. Wash with soap and water. If molten material comes in contact with the skin, cool under running water. Do not attempt to remove the molten material from the skin. Get medical attention immediately.

**INGESTION:** Rinse the victim's mouth with plenty of water. If swallowed, do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

**INHALATION:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If fumes from overheating are inhaled, remove to fresh air. Seek medical attention if respiratory symptoms occur or breathing becomes difficult.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Treat symptomatically.

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### SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE PROPERTIES:** Burns with invisible flame. Dust is flammable and explosive when finely divided and suspended in air. Explosion hazards apply only to dusts, not granular forms of this product.

**EXTINGUISHING MEDIA:** Extinguish fires with water, foam, carbon dioxide or dry chemical media.

**SPECIAL FIRE FIGHTING PROCEDURES:** Fire-fighters should protect themselves from decomposition and combustion products by using a full-face self-contained breathing apparatus and impervious protective clothing.

**HAZARDOUS DECOMPOSITION PRODUCTS:** At temperatures above 460°F (238°C), production of formaldehyde and carbon oxides will occur.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** If a spill occurs, stop the leak at the source and sweep up for disposal. Do not flush to sewers or waterways.

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### SECTION 7: HANDLINING AND STORAGE

**HANDLING AND STORAGE:**

Keep away from heat, sparks, flames, and other ignition sources. Prevent dust accumulations and dust clouds. Store in a sprinkler protected warehouse. Keep a fire extinguisher near if welding is done in the area. If a heat source is present, keep the area well ventilated.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**VENTILATION:**

Provide local exhaust ventilation to keep airborne particulate concentrations below the OELs.

**RESPIRATORY PROTECTION:**

If levels are above published OELs, then use a NIOSH approved respirator.

**EYE PROTECTION:**

Safety glasses with side shields.

**SKIN PROTECTION:**

When handling molten material, protective clothing such as long sleeves or laboratory coat should be worn. Use heat-resistant gloves, boots and face protection.

**Exposure Guidelines:**

| Ingredient Name                         | CAS #      | ACGIH TLV            | OSHA PEL             |
|---|------------|----------------------|----------------------|
| Polyoxymethylene Copolymer Particulates | 24969-26-4 | 10 mg/m <sup>3</sup> | 15 mg/m <sup>3</sup> |
| Formaldehyde                            | 50-00-0    | 0.3 ppm              | 0.75 ppm             |

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:**

Solid in form

**ODOR:**

None

**MELTING POINT:**

320°-342°F

**SOLUBILITY IN WATER:**

Insoluble

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):**

1.38-1.42 g/cc

### SECTION 10: STABILITY AND REACTIVITY

**STABILITY:**

Stable under normal conditions.

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CONDITIONS TO AVOID (STABILITY): Avoid flames. Do not heat above 460°F (238°C). Avoid prolonged heating at or above the recommended temperature.

MATERIAL TO AVOID (INCOMPATIBILITY): Do not allow mixing of this material with PVC, strong acids, oxidizing agents, other halogen containing materials, and partially and/or fully cross-linkable thermoplastic elastomers.

CONDITIONS TO AVOID (POLYMERIZATION): Will not occur.

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### SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: There are no known effects from exposure to the polymer itself. If overheated, the polymer releases formaldehyde which may cause skin, eye, and respiratory irritation and allergic reactions.

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### SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No known ecological toxicity values.

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### SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

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### SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT): Not regulated as a dangerous good.

GENERAL: Not regulated as a dangerous good.

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### SECTION 15: REGULATORY INFORMATION

#### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All substances listed or exempt on inventory.

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: None

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313 REPORTABLE INGREDIENTS:

No

STATE REGULATIONS:

Materials known to the State of California to cause cancer or reproductive toxicity: This product poses no significant risk to persons exposed during normal use as defined by the California Safe Drinking Water and Toxics Enforcement Act (Proposition 65).

INTERNATIONAL REGULATIONS:

As an article, the product does not need to be labeled in accordance with EC-directives or respective national laws.

This product is REACH and RoHS compliant.

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### SECTION 16: OTHER INFORMATION

DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.