Revision Date : 2016.07.22 (Rev.2)

Product Name : DYNEX POM-C

1. Chemical Product and Company Identification

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

2. Hazards Identification

- **GHS Classifications** : Not applicable
- **GHS label elements**
  - Classification : None
  - Signal Word : None
  - Pictograms and Symbols : None
  - Hazard Statements : None
  - Precautionary Statements : None
- **Emergency overview**
  - NFPA Rating : Health = 1, Flammability = 1, Reactivity = 0
- **Eye** : Mechanical irritations is possible.
- **Skin** : Hot and molten material has the potential to cause thermal burns.
- **Inhalation** : Shapes not respirable.
- **Ingestion** : No specific information available on the product.

3. Composition, information on Ingredients

Additives not hazardous by 29 CFR 1910.1200.

Identity	CAS#	Concentration(%)
Polyoxymethylene Copolymer	24969-26-4	>99
Other additives	-	<1

This is a polymeric material and may contain proprietary ingredients. And hazardous constituents are wetted by the polymer system, and therefore, present no likelihood of exposure under normal conditions of processing and handling. This product is considered hazardous under OSHA Regulations, if overheated, of formaldehyde, an OSHA regulated material.

4. 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.

5. Fire Fighting Measures

- **Extinguishing Media**
  - Suitable extinguishing media : Carbon dioxide, dry chemical, foam or water spray.
  - Unsuitable extinguishing media : No data available.
- **Special hazards arising from the substance or mixture**
  - Carbon monoxide, carbon dioxide and formaldehyde.
- **Firefighting Instructions**
  - Firefighters should wear self-contained breathing apparatus 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.

6. Accidental Release Measures

- **Personal precaution**
  - Sweeping to prevent fell.
- **Environmental protection**
  - No special measures.

7. Handling and Storage

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

8. 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. Formaldehyde is a hazardous degradation product

Ingredient	Agency		Value
Formaldehyde	OSHA	PEL	TWA - 0.75 ppm, ; STEL - 2ppm
	ACGIH	TLV	Ceiling - 0.3ppm
Particulates	OSHA	PEL	15 mg/m^3 (Total), 5 mg/m^3 (Respirable)
	ACGIH	TLV	10 mg/m^3 (Total), 3 mg/m^3 (Respirable)

9. Physical and Chemical Properties

- **Appearance** : Solid.
- **Smell** : None
- **PH** : Not applicable
- **Water Solubility** : Insoluble
- **Boiling Point** : Not applicable
- **Melting Point** : 165℃ (329°F)
- **Vapor Pressure** : <0.001mmHg
- **Specific Gravity** : 1.39 ~ 1.43g/cm^3

10. Stability and Reactivity

- **Chemical Stability** : Stable under normal conditions of use and storage.
- **Hazardous Reactions** : Stable under normal conditions of use.
- **Condition to Avoid** : Heating above 230℃(446°F) - Forms formaldehyde.
- **Materials to Avoid** : Strong acids, base(decomposes forming formaldehyde) and oxidizing materials.
- **Hazardous Decomposition Products** : Trioxane, formaldehyde and formic acid.

11. Toxicological Information

- **Aggravated Medical :** None.
- **Acute Effects :** Non-toxic**.**
- **Skin Corrosion/Irritation** : Not irritating to the skin.
- **Serious Eye Damage/Irritation :** Particulates can be mechanically irritating to the eyes.
- **Respiratory or 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** : There aren't known reproductive toxicity effects.
- **Aspiration Hazard** : No data available. Not expected to be an aspiration hazard.

12. Ecological Information

- **Ecotoxicity :** There aren't known ecological toxicity values.
- **Persistence and degradability :** It's expected high persistence and slow degradability.
- **Bioaccumulative Potential :** It's expected moderate to high bioaccumulative potential.
- **Mobility in Soil :** No data available
- **Other Adverse Effects :** No data available

13. Disposal Considerations

Recycling is encouraged. Dispose in accordance with local regulations.

14. Transport Information

- **UN No** : Not classified as a dangerous good under transport regulations. (UN RTDG)
- **Land transport (ADR/RID)** : Nat classified
- **Shipping information (IMDG)** : Not classified
- **Air transport (IATA/ICAO)** : Not classifiedThis product is not subject to transport regulations.

15. Regulatory Information

- **U.S. Regulations**
  - TSCA : All the ingredients are listed in the TSCA Inventory or are compliant with the TSCA polymer exemption rule.
  - SARA : 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.
- **EU regulation**
  - · Labeling According to EEC Directives : Not subject to labeling
  - · WEEE (EU Directive 2002/96/EC) : Not applicable
  - · RoHS (EU Directive 2011/65/EC) : Not applicable
  - · PentaBDE&OctaBDE (EU Directive 2003/11/EC) : Not applicable

16. 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. DYNEX Co., 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.

- The End of SDS -