
SECTION 1 – PRODUCT IDENTIFICATION

Trade Name: GLS 358-052
Article Number: 77189
Common Names: Thermoplastic Elastomer. Application of the substance/preparation rubber
Manufacturer: Poly One/GLS Corporation 833 Ridgeview Drive, McHenry, IL 60050 USA
Telephone: Toll Free: 800-457-8777/ Phone 815-385-8500/ Fax: 815-385-8533

SECTION 2 – INFORMATION ON HAZARDOUS INGREDIENTS

The following information provided on the below hazardous pigment(s) and additive(s) applies to them in the pure dry form. The form of the pigment and additive provided to you is encapsulated in plastic, and therefore the likelihood of the exposure is much less, even to the point of negligible. We therefore consider the level of hazard to be negligible.

CAS Number	Description	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	Other Limits	Does Not Exceed(%)
68187-51-9	Pigment Yellow 119	N/A	N/A	N/A	1.29
ZNCMPD	Zinc Compound	N/A	5.0	N/A	N/A
1333-86-4	Carbon Black	3.5	3.5	N/A	4.58
13463-67-7	Titanium Dioxide (dust)	10.0	10.0	N/A	42.58
1344-28-1	Aluminum Oxide (dust)	10.0	10.0	5.0	.43

SECTION 3 – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: N/A
Specific Gravity: 0.84 - 0.97
Vapor Pressure: N/A
Melting Point: 225-275 F (about 140 C)
Vapor Density: N/A
Evaporation Rate: N/A
Solubility in Water: Insoluble
Appearance/Odor: Plastic Pellet - No Significant Odor

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): There is a component in this product with a Flash Point of 342 C. The method used to determine this is: ASTM E136. All other components used in this product either have a higher flash point or are not combustible and do not have a flash point.

Extinguishing Material: Water Spray, Foam, Carbon Dioxide, or Dry Chemical.

Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Wear appropriate fire safety equipment including self-contained breathing apparatus and protective garments. Use water to cool exposed equipment and containers.

Fire/Explosion Hazards: It may not be obvious that carbon black is burning unless the material is stirred and sparks are apparent. Carbon black that has been on fire should be observed closely for at least 48 hours to ensure no smoldering material is present.

SECTION 5 – REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Avoid exposure to heat, spark, or open flame.
Materials to Avoid: Prolonged heating in excess of 275 C accelerates thermal degradation.
Hazardous Decomposition: Thermal decomposition products may include hazardous fumes of titanium oxide.
Hazardous Polymerization: Will not occur.

SECTION 6 – HEALTH HAZARD DATA

Inhalation: Short term overexposure by inhalation to titanium dioxide may cause irritation of nose, throat, and lungs with cough, difficulty breathing, or shortness of breath. Studies showed that employees who had been exposed to titanium dioxide were at no greater risk of developing lung cancer than were employees who were unexposed. Inhalation of amorphous silica may cause drying of mucous membranes and irritation of nose, throat, and lungs with nosebleeds, cough and difficulty breathing or shortness of breath.

Skin May cause irritation to skin.

Ingestion: Single dose oral toxicity is extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

Eye Contact: High dust concentrations may cause mechanical irritation to eyes.

Is any chemical in this product at a concentration of 0.1% or more classified as a carcinogen by IARC, NTP, or OSHA? Yes

Exposure Signs and Symptoms: *The following information provided on the below hazardous ingredient(s) applies to the ingredient(s) in the pure dry form. The form of the ingredients provided to you is encapsulated in plastic, and therefore the likelihood of exposure is much less, even to the point of negligible. We therefore consider the level of hazard to be negligible.*

Zinc Ferrite - may cause mechanical irritation to skin and eyes.

Carbon Black - dust concentrations above permissible exposure limit may cause temporary upper respiratory tract discomfort. IARC has classified Carbon Black as possibly carcinogenic to humans (group 2B).

Titanium Dioxide/Aluminum Oxide - IARC has listed Titanium Dioxide as group 2(B) possible carcinogenic to humans. Exposure to dust may cause temporary drying effect and/or mild irritation of the nose, throat, and lungs and may aggravate pre-existing conditions.

Medical Conditions generally Aggravated by Exposure: *The following information provided on the below hazardous ingredient(s) applies to the ingredient(s) in the pure dry form. The form of the ingredients provided to you is encapsulated in plastic, and therefore the likelihood of exposure is much less, even to the point of negligible. We therefore consider the level of hazard to be negligible.*

Zinc Ferrite - None known.

Carbon Black - Upper respiratory disorders, such as Bronchitis or Asthma.

Titanium Dioxide/Aluminum Oxide - IARC has listed Titanium Dioxide as group 2(B) possible carcinogenic to humans. (Respiratory disorders.)

First Aid: Inhalation - Remove to clean, fresh air and treat symptomatically.

Skin - Remove contaminated clothing and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

Ingestion - Material will pass through the body normally.

Eye Contact - Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

Spillage: Wearing appropriate personnel protective equipment, contain spill, collect in a suitable container.

Waste Disposal: Landfill or incinerate in accordance with local, state and federal laws.

Storage: Avoid generating dust. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Store in a dry, well-ventilated area. Keep container tightly closed.

Other Precautions: Use under well-ventilated conditions and recommend that employees wash thoroughly after handling product.

SECTION 8 – CONTROL MEASURES

- Respiratory Protection:** Use NIOSH approved respiratory protection where exposure levels exceed regulatory limits for hazardous components and/or for particulate matter.
- Ventilation:** Use ventilation system to maintain exposure levels within the ACGIH TLV.
- Gloves:** Use gloves when polymer is hot to minimize skin contact.
- Eye Protection:** Sideshield safety glasses.
- Other Clothing:** Wear long-sleeved shirts and pants to minimize skin contact.
- Work/Hygiene:** Do not eat, drink, or smoke in work areas. Wash thoroughly with soap and water after handling.

SECTION 9 – OTHER REGULATORY INFORMATION

- SARA:** This product contains the following toxic chemical(s) subject to the reporting of section 313 of Title III of the superfund amendments and Reauthorization Act of 1986 and 40 CFR part 372: This information should be included in all MSDS's that are copied and distributed for this material.
CAS# Does not exceed (%) description
- TSCA:** All ingredients used to produce the above formulation are in compliance with the Toxic Substances and Control Act inventory as required by federal law.

SECTION 10 – STATE REGULATORY INFORMATION

- CA Proposition 65:** *Warning - Any component of this product which contains materials known to the state of California to cause cancer are listed below:*
There are extremely small, but detectable amounts of substances regulated under California's Safe Drinking Water and Toxic Enforcement Act (Prop 65). Typical data: Arsenic 7440-38-2 - 9PPM, Cadmium 7440-43-9 - 5PPM, Chromium VI 18540-28-9 - <0.1PPM, Lead 7439-92-1 - 58PPM, Nickel 7440-02-0 - 9PPM, Selenium 7782-49-2 - 2PPM, Mercury 7439-97-6 - <0.1PPM.
- CA Proposition 65:** *Warning - Any component of this product which contains materials known to the state of California to cause birth defects and other reproductive harm are listed below:*
There are extremely small, but detectable amounts of a substance regulated under California's Safe Drinking Water and Toxic Enforcement Act (Prop 65). Typical data: Arsenic 7440-38-2 - 9PPM, Cadmium 7440-43-9 - 5PPM, Chromium VI 18540-29-9 - <0.1PPM, Lead 7439-92-1 - 58PPM, Nickel 7440-02-0 - 9PPM, Selenium 7782-49-2 - 2PPM, Mercury 7439-97-6 - <0.1PPM.
- Canadian WHMIS:** *Any component of this product which is a hazardous chemical as given in WHMIS is listed below:*
Carbon Black (CAS# 1333-86-4): D2A.
- Florida:** *Non-hazardous ingredients are being withheld as trade secret information. Any component of this product which is a hazardous chemical is listed on the Florida hazardous list as given in Section II are as follows: None*
- Massachusetts:** *Non-hazardous ingredients are being withheld as trade secret information. Any component of this product which is a hazardous chemical is listed on the Massachusetts hazardous list as given in Section II are as follows: None*
- New Jersey:** *Non-hazardous ingredients are being withheld as trade secret information. Any component of this product which is a hazardous chemical is listed on the New Jersey hazardous list as given in Section II are as follows: None*
- Pennsylvania:** *Non-hazardous ingredients are being withheld as trade secret information. Any component of this product which is a hazardous chemical is listed on the Pennsylvania hazardous list as given in Section II are as follows: None*
- Rhode Island:** *Non-hazardous ingredients are being withheld as trade secret information. Any component of this product which is a hazardous chemical is listed on the Rhode Island hazardous list as given in Section II are as follows: None*

Notice to Reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. 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.