

# Silver-Line Plastics

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## GHS Safety Data Sheet Silver-Line Plastics Poly Pipe

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Silver-Line Plastics Polyethylene Pipe  
**TRADE NAMES:** SIL-O-FLEX, ULTRA-PURE, GEO-STRIPE, GAS PIPE, MAX-FLO  
**Manufacturer:** Silver-Line Plastics Corporation  
900 Riverside Drive  
Asheville, NC 28804  
Tel. 828-252-8755  
**EMERGENCY:** 1-800-424-9300 (CHEMTREC®)

### SECTION 2 – HAZARDS IDENTIFICATION

As defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200, the products listed below are considered articles and do not require an SDS. In addition, articles are not included in the scope of the Global Harmonization System (GHS). As such, the GHS labeling elements are not included on this SDS. All components listed for this product are bound within the product. When handled as intended and under normal conditions of use, there is no evidence that any of the ingredients are released in amounts that pose a significant health risk. Although these products are not subject to the OSHA Standard or GHS labeling elements, Silver-Line Plastics Corporation would like to disclose as much health and safety information as possible to ensure that this product is handled and used properly. This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and be made available for employees and other users of this product. In addition, the recommendations for handling and use of these products should be included in worker training programs.

#### LABEL ELEMENTS

| Physical hazards                          | Not classified | Hazard symbol    | None | Prevention | Observe good industrial hygiene practices                        |
|---|----------------|------------------|------|------------|--|
| Health hazards                            | Not classified | Signal word      | None | Response   | Wash hands after handling  |
| OSHA defined hazards                      | Not classified | Hazard statement | None | Storage    | Store away from incompatible materials                           |
| Hazard(s) not otherwise Classified (HNOC) | Not classified |                  |      | Disposal   | Dispose of waste and residues in accordance with local authority |

**NOTE:** Toxic and irritating gases and fumes may be given off during burning or thermal decomposition. Avoid generating dust. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

### SECTION 3 – HAZARDOUS INGREDIENTS: COMPOSITION/INFORMATION

| INGREDIENT                    | CAS #      | % WEIGHT | PEL-OSHA         | TLV-ACGIH        | NIOSH REL        |
|-------------------------------|------------|----------|------------------|------------------|------------------|
| Ethene, homopolymer           | 9002-88-4  | 95 – 99% | None established | None established | None established |
| 1-Butene, polymer with ethene | 25087-34-7 |          |                  |                  |                  |
| 1-Hexene, polymer with ethene | 25213-02-9 |          |                  |                  |                  |
| Pigments, if present          | Various    | 1 – 5%   | None established | None established | None established |

### SECTION 4 – FIRST AID MEASURES

Toxic fumes and gases may be produced by combustion or high temperature decomposition. If this product is melted, this material may emit fumes and vapors that are irritating to the eyes, nose, skin and upper respiratory tract.

**Inhalation:** No specific first aid measures noted. In case of inhalation of fumes from heated product: Move to fresh air. Get medical attention if any discomfort continues.

**Skin:** Not relevant, due to the form of the product. Cool skin rapidly with cold water after contact with molten polymer. Get immediate medical attention.

**Eye contact:** Not likely, due to the form of the product

**Ingestion:** Not likely, due to the form of the product

**Most important symptoms/effects, acute and delayed** No specific symptoms noted. Molten material will produce thermal burns

**Indication of immediate medical attention and special treatment needed:** Treat symptomatically

**NOTE TO PHYSICIANS OR FIRST AID PROVIDERS:**

Hazardous fumes and gases that result from incomplete combustion and decomposition are hydrogen chloride, benzene, water, carbon monoxide and carbon dioxide

## SECTION 5 – FIREFIGHTING MEASURES

| FLAMMABLE PROPERTIES   |   |              |
|--|---|--------------|
| <b>FLASH POINT:</b> Not Applicable   | Decomposition products may be combustible |              |
| <b>FLAMMABLE LIMITS:</b>   | LEL: No Data                              | UEL: No Data |
| <i>EXTINGUISHING MEDIA:</i> CO <sub>2</sub> , Dry Chemical, Alcohol-Type or Universal-Type Foams applied by manufacturer's recommended technique. You may use a fine water spray. Do not use a stream of water on molten material as it could cause material to disperse and spread the fire.  |   |              |
| <i>FIRE AND EXPLOSION HAZARDS:</i> Solid does not readily release flammable vapors. Thermoplastic polymers can burn. Smoke, Carbon Monoxide, Carbon Dioxide, Aldehydes, and other organic vapors. Irritating and/or toxic substances will be emitted during burning, combustion, or decomposition. Run-off water from firefighting may have corrosive effects. |   |              |
| <i>PROTECTIVE MEASURES FOR FIREFIGHTERS:</i> Firefighters must wear a NIOSH-approved, full-face piece self-contained breathing apparatus (SCBA) operated in positive pressure mode and full turnout or bunker gear with additional chemical protective clothing as necessary to protect against thermal decomposition products.                                |   |              |
| <i>SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS:</i> If there is a fire, promptly isolate the scene by removing all persons from the vicinity of the incident. No action shall be taken involving any personal risk or without suitable training.   |   |              |

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Avoid inhalation of fumes from molten product.

**Methods and materials for Containment and cleaning up:** Where possible allow molten material to solidify naturally. Collect spillage.

**Environmental precautions:** No special environmental precautions required.

## SECTION 7 – HANDLING AND STORAGE

**Precautions for safe handling** Avoid contact with molten material. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities:** Store in a cool, dry place away from incompatible materials, intense heat and flame.

## SECTION 8 – PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

Use with adequate ventilation to meet exposure limits listed under Section 3. Where the exposure limits are or may be exceeded, use NIOSH approved respiratory protection. Select appropriate respirator (e.g., high efficiency dust mask, acid gas respirator) based on the actual or potential airborne contaminants and their concentrations present.

**Skin Protection:** When handling hot material, use heat resistant gloves. Suitable gloves can be recommended by the glove supplier. No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact. For molten product, use any type rubber thermal insulating gloves and other clothing as necessary to protect from thermal burns.

Handle in accordance with good industrial hygiene and safety practice.

**Biological limit values:** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls:** Adequate ventilation should be provided whenever the material is heated or mists are generated

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|                                      |                             |                          |               |
|--------------------------------------|-----------------------------|--------------------------|---------------|
| <b>APPEARANCE:</b>                   | Solid. Black/blue/yellow    | <b>VAPOR PRESSURE:</b>   | Not available |
| <b>ODOR:</b>                         | Not applicable              | <b>LIQUID DENSITY:</b>   | Not available |
| <b>ODOR THRESHOLD:</b>               | Not available               | <b>SPECIFIC GRAVITY:</b> | 0.88 – 1      |
| <b>BOILING POINT:</b>                | Not available               | <b>MELTING POINT:</b>    | 200 – 285°F   |
| <b>FLASH POINT:</b>                  | Not applicable              | <b>pH:</b>               | Not available |
| <b>FLAMMABILITY:</b>                 | Melted product is flammable | <b>SOLUBILITY:</b>       | Insoluble     |
| <b>AUTOIGNITION TEMPERTURE:</b>      | > 640°F                     | <b>% VOLATILE:</b>       | Not available |
| <b>DECOMPOSITION TEMPERTURE:</b>     | > 575°F                     | <b>VISCOSITY:</b>        | Not available |
| <b>LOWER/UPPER EXPLOSION LIMITS:</b> | Not available               |                          |               |

## SECTION 10 – STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Reactivity:</b>                         | The product is non-reactive under normal conditions of use, storage and transport.   |
| <b>Chemical stability:</b>                 | Stable at normal conditions.   |
| <b>Possibility of hazardous reactions:</b> | Will not occur.  |
| <b>Conditions to avoid:</b>                | Contact with incompatible materials. Consult Plastic Pipe Institute TR-19, Chemical Resistance of Thermoplastics Piping Materials. |
| <b>Incompatible materials:</b>             | Strong oxidizing agents.   |
| <b>Hazardous decomposition products:</b>   | Carbon oxides, aldehydes, and other organic vapors.  |

## SECTION 11 – STABILITY AND REACTIVITY

|                         |  |  |               |
|-------------------------|--|--|---------------|
| <b>ACUTE TOXICITY:</b>  | No toxicological data is available for the finished product.   | <b>REPRODUCTIVE TOXICITY:</b>                      | Not available |
| <b>SENSITIZATION:</b>   | No data available  | <b>TERATOGENICITY:</b>                             | Not available |
| <b>MUTAGENICITY:</b>    | No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as a mutagen.                    | <b>SPECIFIC TARGET ORGANS - SINGLE EXPOSURE:</b>   | Not available |
| <b>DEVELOPMENTAL:</b>   | No data available  | <b>SPECIFIC TARGET ORGANS - REPEATED EXPOSURE:</b> | Not available |
| <b>FERTILITY:</b>       | No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as a reproductive toxin.         | <b>ASPIRATION HAZARD:</b>                          | Not available |
| <b>CARCINOGENICITY:</b> | No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or International Agency for Research on Cancer (IARC). |  |               |

### Information on likely routes of exposure

|                             |   |
|-----------------------------|---|
| <b>Ingestion:</b>           | Not relevant, due to the form of the product. |
| <b>Inhalation:</b>          | Stable at normal conditions.                  |
| <b>Skin contact:</b>        | Will not occur.                               |
| <b>Conditions to avoid:</b> | Not relevant, due to the form of the product. |

## SECTION 12 – ECOLOGICAL INFORMATION

|  |   |
|--|---|
| <b>Numerical measures of toxicity:</b> | The product is not expected to be hazardous to the environment. |
| <b>Persistence and degradability:</b>  | Not relevant, due to the form of the product.                   |
| <b>Bioaccumulative potential:</b>      | Not relevant, due to the form of the product.                   |
| <b>Mobility in soil:</b>               | Not relevant, due to the form of the product.                   |
| <b>Other adverse effects:</b>          | No known significant or critical hazards.                       |

## SECTION 13 – WASTE DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste should not be disposed of to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste and packaging should be recycled when possible. Incineration or landfill should only be considered when recycling is not feasible. This material must be disposed of in a safe way.

**SECTION 14 – TRANSPORT INFORMATION**

**Proper shipping name:** Not Regulated  
**Hazard class:** Not Regulated  
**Identification number:** Not Regulated  
**Shipping label:** Not Regulated  
**Packing group:** Not Regulated

**SECTION 15 – REGULATORY INFORMATION**

United States TSCA 8(b)  
All ingredients are listed on the U.S. Toxic Substances Control Act inventory, or are exempt.

**SECTION 16 – OTHER INFORMATION**

**Additional comments:** N/A

**Revision Log**

| Version | Date      | Change |
|---------|-----------|--------|
| 0       | June 2017 | Issue  |

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