

Silver-Line Plastics

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Version: 3

GHS Safety Data Sheet Silver-Line Plastics PEX Pipe

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Silver-Line Plastics Crosslinked Polyethylene Pipe (PEX)
TRADE NAMES: SIL-O-PEX
Manufacturer: Silver-Line Plastics LLC
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 LLC 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
Ethylene Vinyl Silane Copolymer	35312-82-4	94 - 96%	None established	None established	None established
Catalyst Masterbatch	N/A	4 - 6%	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		
FLASH POINT: Not Applicable	Decomposition products may be combustible	
FLAMMABLE LIMITS:	LEL: No Data	UEL: No Data
<i>EXTINGUISHING MEDIA:</i> Use an extinguishing agent suitable for the surrounding fire, such as carbon dioxide, dry chemical, or foam.		
<i>FIRE AND EXPLOSION HAZARDS:</i> Solid does not readily release flammable vapors. Thermoplastic polymers can burn. Smoke, Carbon Monoxide, Carbon Dioxide, and trace alcohols. 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 direct sunlight, 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

APPEARANCE:	Solid. Black/blue/red/white	VAPOR PRESSURE:	Not available
ODOR:	Not applicable	LIQUID DENSITY:	Not available
ODOR THRESHOLD:	Not available	SPECIFIC GRAVITY:	Approximately 0.95
BOILING POINT:	Not available	MELTING POINT:	Thermoset. Will not melt.
FLASH POINT:	Not applicable	pH:	Not available
FLAMMABILITY:	Melted product is flammable	SOLUBILITY:	Insoluble
AUTOIGNITION TEMPERTURE:	Not available	% VOLATILE:	Not available
DECOMPOSITION TEMPERTURE:	> 650°F	VISCOSITY:	Not available
LOWER/UPPER EXPLOSION LIMITS:	Not available		

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability:	Stable at normal conditions.
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	Contact with incompatible materials. Consult Plastic Pipe Institute TR-19, Chemical Resistance of Thermoplastics Piping Materials.
Incompatible materials:	Strong acids, strong oxidizing and reducing agents.
Hazardous decomposition products:	Carbon oxides and trace alcohols.

SECTION 11 – STABILITY AND REACTIVITY

ACUTE TOXICITY:	No toxicological data is available for the finished product.	REPRODUCTIVE TOXICITY:	Not available
SENSITIZATION:	No data available	TERATOGENICITY:	Not available
MUTAGENICITY:	No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as a mutagen.	SPECIFIC TARGET ORGANS - SINGLE EXPOSURE:	Not available
DEVELOPMENTAL:	No data available	SPECIFIC TARGET ORGANS - REPEATED EXPOSURE:	Not available
FERTILITY:	No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as a reproductive toxin.	ASPIRATION HAZARD:	Not available
CARCINOGENICITY:	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

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

SECTION 12 – ECOLOGICAL INFORMATION

Numerical measures of toxicity:	The product is not expected to be hazardous to the environment.
Persistence and degradability:	Not relevant, due to the form of the product.
Bioaccumulative potential:	Not relevant, due to the form of the product.
Mobility in soil:	Not relevant, due to the form of the product.
Other adverse effects:	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.

United States - California CA PROPOSITION 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)
This product does not contain an ingredient(s), above the safe harbor limits, which are known to the state of California to cause cancer, birth defects, or other reproductive harm.

SECTION 16 – OTHER INFORMATION

Additional comments: N/A

Revision Log

Version	Date	Change
0	June 2017	Issue
1	April 2018	Formatting
2	May 2018	Section 15 – Added Prop 65 language
3	October 2019	Formatting

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