

Issue date 13-Nov-2019

Revision date 17-Apr-2019

Revision Number 1

1. IDENTIFICATION

Product identification

Product identifier	High Adhesive Flow Heat Shrink Tubing
Other means of identification	16326
Recommended use	Electrical insulation tubing
Restrictions on use	For industrial use only

Supplier

Corporate Headquarters:
Lawson Products, Inc.
8770 W. Bryn Mawr Ave., Suite 900
Chicago, IL 60631
(866) 837-9908

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

Website <https://www.lawsonproducts.com>

2. HAZARD(S) IDENTIFICATION

Hazard Classification While this material is not classified as hazardous under OSHA, GHS or WHMIS 2015 regulations, this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Symbol Not applicable

Signal word Not applicable

Hazard statements Not applicable

Precautionary statements

General Not applicable

Prevention Not applicable

Response Not applicable

Storage Not applicable

Disposal	Not applicable
Hazard(s) Not Otherwise Classified (HNOC)	None.
Physical Hazards Not Otherwise Classified (PHNOC)	None known.
Unknown acute toxicity	No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	This product is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200. "Article means a manufactured item other than a fluid or particle, which is formed to a specific shape or design during manufacture which has end use function dependent in whole or in part upon its shape or design during end use, and which under normal conditions of use does not release more than very small quantities or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees."
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Chemical name	CAS-No	Weight %
Polyolefin	Mixture	70-80
Copolymer	Mixture	15-20
antioxidant	6683-19-8	1-4

4. FIRST-AID MEASURES

Necessary first-aid measures

Inhalation	Remove to fresh air. Seek medical attention if irritation persists.
Ingestion	Do not induce vomiting without medical advice. Give two glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.
Skin contact	Flush area with water for 15 minutes. If skin irritation persists, call a physician.
Eye contact	Flush with plenty of water for at least 15 minutes. Do not attempt to remove solid or gum from eye. Immediate medical attention is required.
Most important symptoms (acute)	Not available.
Most important symptoms (over-exposure)	Not available.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry Chemical, Carbon Dioxide, Foam or Water Fog.
Unsuitable extinguishing media	None known.

Specific hazards None known.

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures The use of gloves and safety glasses is consistent with good manufacturing and hygienic practice. Do not breathe fumes produced during overheating or burning.

Methods and materials for containment and cleaning up Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

7. HANDLING AND STORAGE

Precautions for safe handling To avoid thermal decomposition, do not overheat.

Conditions for safe storage, including any incompatibilities Store in accordance with local regulations. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a cool, dry, and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Polyolefin	-	-	-
Copolymer	-	-	-
antioxidant	-	-	-

Appropriate engineering controls A safety shower and eye wash station should be available for emergency use. Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Individual protection measures, such as personal protective equipment

Eye protection ANSI approved safety glasses are recommended to prevent accidental eye contact.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection not required under normal use. In case of inadequate ventilation wear respiratory protection.

Hygiene measures General industrial hygiene practice.

Canadian Province Occupational Exposure Limits

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland and Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Polyolefin	-	-	-	-	-	-	-	-	-	-

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Copolymer	-	-	-	-	-	-	-	-	-	-
antioxidant	-	-	-	-	-	-	-	-	-	-

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Color	Various
Odor	None
Odor threshold	Not available
Melting point/range °C	No data available
Melting point/range °F	No data available
Boiling point/range °C	No data available
Boiling point/range °F	No data available
Flash point °C / °F	No data available
Evaporation rate	No data available
Flammability (Solid, Gas)	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.2
Solubility	insoluble
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature °C	Product is not self-igniting
Autoignition temperature °F	Product is not self-igniting
Decomposition temperature °C	No data available
Decomposition temperature °F	No data available
Viscosity	Not applicable

10. STABILITY AND REACTIVITY

Reactivity	Not applicable.
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Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Not applicable.
Conditions to avoid	Do not store at elevated temperatures.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Hazardous Thermal Decomposition Products: Hydrocarbons. Oxides of carbon. Nitrogen Acetic Acid. Acid aldehydes. Vinyl acetate. Trace quantities of organic arsenic compounds. Ammonia. Halogenated compounds. During combustion asphyxiants may be formed.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Inhalation. Ingestion.
Symptoms	Inhalation of fumes from heated plastic may cause irritation of respiratory tract, chest discomfort and dizziness.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	None known.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Polyolefin	-	-	-
Copolymer	-	-	-
antioxidant	> 1.95 mg/L (Rat) 4 h	> 3160 mg/kg (Rabbit)	> 10250 mg/kg (Rat)

ATEmix (dermal)	Not available
ATEmix (oral)	Not available
ATEmix (inhalation-gas)	Not available
ATEmix (inhalation-vapor)	Not available
ATEmix (inhalation-dust/mist)	Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Polyolefin	-	-	-	-
Copolymer	-	-	-	-
antioxidant	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Polyolefin	-	-	-	-	-	-
Copolymer	-	-	-	-	-	-
antioxidant	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Polyolefin	-	-
Copolymer	-	-
antioxidant	100: 72 h Desmodesmus subspicatus mg/L EC50	100: 96 h Brachydanio rerio mg/L LC50 static 100: 96 h Brachydanio rerio mg/L LC50

Persistence and degradability No data available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Polyolefin Mixture	Mixture	-
Copolymer Mixture	Mixture	-
antioxidant 6683-19-8	6683-19-8	23 25 °C

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

Contaminated packaging Dispose in accordance with local, state and federal regulations.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

Proper shipping name Not regulated

TDG

Proper shipping name Not regulated

IATA

Proper shipping name Not regulated

IMDG/IMO

Proper shipping name Not regulated

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Polyolefin	Mixture	-	-	-
Copolymer	Mixture	-	-	-
antioxidant	6683-19-8	-	-	-

Special Precautions

Not applicable

15. REGULATORY INFORMATION**State regulations****U.S. state Right-to-Know regulations**

Not Listed

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Polyolefin	Mixture	-	-	-
Copolymer	Mixture	-	-	-
antioxidant	6683-19-8	-	-	-

California Prop. 65

Not Listed

Chemical name	CAS-No	California Prop. 65
Polyolefin	Mixture	-
Copolymer	Mixture	-
antioxidant	6683-19-8	-

U.S. Federal Regulations**US EPA SARA 313**

This product contains no listed chemicals subject to reporting

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Polyolefin	Mixture	-	-
Copolymer	Mixture	-	-
antioxidant	6683-19-8	-	-

US EPA SARA 311/312 hazardous categorization

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Polyolefin	-	-	-
Copolymer	-	-	-
antioxidant	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health	Not available
Flammability	Not available
Instability	Not available
Specific hazard	Not available

HMIS

Health	Not available
Flammability	Not available
Physical hazards	Not available
Personal protection	To be determined by customer.

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
 ATE (Average Toxicity Estimate)
 DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)
 HMIS (Hazardous Materials Identification System)
 IARC (International Agency for Research on Cancer)
 IATA (International Air Transport Association)
 IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)
 NFPA (National Fire Protection Association)
 NTP (National Toxicology Program)
 OEL (Occupational Exposure Level)
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)
 PEL (Permissible Exposure Limit)
 TSCA (Toxic Substance Control Act)
 USEPA (United States Environmental Protection Agency)

Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and

suitable to their circumstances.

End of Safety Data Sheet