



## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION

**Product Name:** Lead Foil Tape  
**Part #:** LF-420  
**Product Description:** Lead Foil  
**Company Name:** Viadon LLC  
**Address:** 1201 Teal Avenue, Peotone IL 60468  
**Emergency Phone #:** 708-534-3900  
**Date of Issuance:** July 10, 2017

### SECTION 2: HAZARD(S) IDENTIFICATION

#### 2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE

##### 2.1.1 CLASSIFICATION ACCORDING TO REGULATION (EC) 1272/2008 (CLP)

NOT DETERMINED

##### 2.1.2 CLASSIFICATION ACCORDING TO DIRECTIVES 67/548/EEC AND 1999/45/EC (INCLUDING AMENDMENTS)

THIS PRODUCT IS CONSIDERED AN ARTICLE, AND THEREFORE, EXEMPT FROM CLASSIFICATION

#### 2.2 LABEL ELEMENTS

1201 Teal Avenue, Peotone IL 60468  
Phone: 708-534-3900 FAX: 7-8-534-3957 [www.viadon.com](http://www.viadon.com)



### 2.2.1 LABELING ACCORDING TO REGULATION (EC) 1272/2008 (CLP)

NOT DETERMINED

### 2.2.2 LABELING ACCORDING TO DIRECTIVES 67/548/EEC AND 1999/45/EC (INCLUDING AMENDMENTS)

THIS PRODUCT IS AN ARTICLE

SYMBOLS: NOT APPLICABLE

INDICATIONS OR DANGER: ---

R-PHRASES:

S-PHRASES:

ADDITIONS: N/A

### 2.3 OTHER HAZARDS

THE PRODUCT CONTAINS NO VPVB (VPVB= VERY PERSISTENT, VERY BIOACCUMULATIVE).

THE PRODUCT CONTAINS NO PBT (PBT= PERSISTENT, BIOACCUMULATIVE, TOXIC).

THIS PRODUCT IS AN ARTICLE.

<b>SECTION 3: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS</b>
--

HAZARDOUS INGREDIENT	CHEMICAL ABSTRACT SERVICE (CAS) No.	CONCENTRATION (%)
LEAD	7439-92-1	98 %
ANTIMONY	7440-36-0	1%
TIN	7440-31-5	1%



## SECTION 4: FIRST-AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

#### INHALATION

TYPICALLY NO EXPOSURE PATHWAY

#### SKIN CONTACT

WASH THOROUGHLY WITH SOAP AND WATER- CONSULT DOCTOR IF NECESSARY

#### EYE CONTACT

REMOVE CONTACT LENSES

WASH THOROUGHLY FOR SEVERAL MINUTES USING COPIOUS AMOUNTS OF WATER

SEEK MEDICAL HELP IF NECESSARY

#### INGESTION

TYPICALLY NOT AN EXPOSURE PATHWAY

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

WHERE RELEVANT, DELAYED OCCURRING SYMPTOMS AND EFFECTS WILL BE FOUND IN SECTION 11 OR AT THE EXPOSURE ROUTES UNDER SECTION 4.1

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

#### SUITABLE EXTINGUISHING MEDIA

ADAPT TO THE NATURE AND EXTENT OF FIRE



## **UNSUITABLE EXTINGUISHING MEDIA**

IN THE EVENT OF CONTACT WITH HOT PRODUCT, DO NOT USE WATER.

## **5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

IN CASE OF FIRE, THE FOLLOWING CAN DEVELOP:

FUME

LEAD OXIDE

LEAD VAPOR

## **5.3 ADVICE FOR FIREFIGHTERS**

USE SELF-CONTAINED BREATHING APPARATUS (SCBA)

DISPOSE OF CONTAMINATED WATER IN ACCORDANCE WITH APPLICABLE REGULATIONS  
IN CASE OF FIRE AND/OR EXPLOSION, DO NOT BREATHE FUMES

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

AVOID CONTACT WITH EYES AND SKIN

AVOID INHALING

### **6.2 ENVIRONMENTAL PRECAUTIONS**

NO PRECAUTIONS ARE NECESSARY UNDER NORMAL CONDITIONS OF USE

### **6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

PICK UP MECHANICALLY AND DIPOSE OF ACCORDING TO SECTION 13

AVOID BUILD UP OF DUST

### **6.4 REFERENCE TO OTHER SECTIONS**

FOR PERSONAL PROTECTIVE EQUIPMENT SEE SECTION 8 AND FOR DISPOSAL SEE SECTION 13

## **SECTION 7: HANDLING AND STORAGE**



IN ADDITION TO INFORMATION GIVEN IN THIS SECTION, RELEVANT INFORMATION CAN ALSO BE FOUND IN SECTIONS 6.1 AND 8

## 7.1 PRECAUTIONS FOR SAFE HANDLING

GENERAL HYGIENE MEASURES FOR THE HANDLING OF CHEMICALS ARE APPLICABLE  
WASH HANDS BEFORE BREAKS AND AT THE END OF WORK  
KEEP AWAY FROM FOOD AND DRINK  
REMOVE CONTAMINATED CLOTHING AND PROTECTIVE EQUIPMENT BEFORE ENTERING AREAS IN WHICH FOOD IS CONSUMED

## 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

NOT TO BE STORED IN GANGWAYS OR STAIR WELLS  
STORE IN A DRY PLACE

## 7.3 SPECIFIC END USE(S)

NO INFORMATION AVAILABLE

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

MATERIALS ARE INTEGRATED INTO THE PRODUCT AND SHOULD NOT LEAD TO ANY EXPOSURE UNDER NORMAL HANDLING CONDITIONS

CHEMICAL NAME	OSHA PEL (MG/M3)	ROUTE OF EXPOSURE
LEAD	0.050	INHALATION

CHEMICAL NAME	OSHA PEL (MG/M3)	ROUTE OF EXPOSURE
ANTIMONY	0.5	INHALATION

CHEMICAL NAME	OSHA PEL (MG/M3)	ROUTE OF EXPOSURE
---------------	------------------	-------------------



TIN	2.0	INHALATION
-----	-----	------------

## 8.2 EXPOSURE CONTROLS

### 8.2.1 APPROPRIATE ENGINEERING CONTROLS

ENSURE GOOD VENTILATION. THIS CAN BE ACHIEVED BY LOCAL EXHAUST OR GENERAL AIR EXTRACTION. IF THIS IS INSUFFICIENT TO MAINTAIN THE CONCENTRATION UNDER THE PERMISSIBLE EXPOSURE LIMIT (PEL) VALUES, SUITABLE BREATHING PROTECTION SHOULD BE WORN.

### 8.2.2 INDIVIDUAL PROTECTION MEASURE, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

GENERAL HYGIENE MEASURES FOR HANDLING CHEMICALS ARE APPLICABLE. WASH HANDS BEFORE BREAKS AND AT THE END OF WORK. KEEP AWAY FROM FOOD AND DRINK. REMOVE CONTAMINATED CLOTHING AND PROTECTIVE EQUIPMENT BEFORE ENTERING AREAS IN WHICH FOOD IS CONSUMED.

EYE/FACE PROTECTION:

NORMALLY NOT NECESSARY

SKIN PROTECTION- HAND PROTECTION:

RECOMMENDED

PROTECTIVE GLOVES

LEATHER GLOVES

SKIN PROTECTION- OTHER:

USUAL PROTECTIVE WORKING GARMENTS

RESPIRATORY PROTECTION:

NORMALLY NOT NECESSARY

AVOID GENERATION OF DUST. DO NOT CUT, CHOP, OR GRIND OR HEAT THIS PRODUCT

IF DUST IS GENERATED, THEN RESPIRATORY PROTECTION IS REQUIRED. CONSULT A CERTIFIED INDUSTRIAL HYGIENIST (CIH) FOR RECOMMENDED RESPIRATORY PROTECTION

THERMAL HAZARDS:

THIS SHOULD NOT APPLY TO THIS PRODUCT UNDER NORMAL CONDITIONS OF USE. DO NOT HEAT THIS PRODUCT

ADDITIONAL INFORMATION ON HAND PROTECTION

NO TESTS HAVE BEEN PERFORMED ON SPECIFIC HAND PROTECTION MEASURES. FINAL SELECTION OF GLOVE MATERIAL MUST BE MADE TAKING THE BREAKTHROUGH TIMES, PERMEATION RATES AND DEGRADATION INTO ACCOUNT. SELECTION OF A SUITABLE GLOVE DEPENDS NOT ONLY ON THE MATERIAL BUT ALSO ON OTHER QUALITY



CHARACTERISTICS AND VARIES FROM MANUFACTURER TO MANUFACTURER. THE RESISTANCE OF GLOVE MATERIAL CANNOT BE PREDICTED AND MUST THEREFORE BE TESTED BEFORE USE. THE EXACT BREAKTHROUGH TIME OF THE GLOVE MATERIAL CAN BE REQUESTED FROM GLOVE SUPPLIERS AND MUST BE VERIFIED DURING USE.

### 8.2.3 ENVIRONMENTAL EXPOSURE CONTROLS

NO INFORMATION AVAILABLE AT PRESENT TIME.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	<b>SOLID. AN ARTICLE IN ROLL OR SHEET FORM.</b>
<b>UPPER/LOWER FLAMMABILITY LIMITS</b>	<b>N.A.</b>
<b>ODOR</b>	<b>N.A.</b>
<b>VAPOR PRESSURE</b>	<b>N.A.</b>
<b>ODOR THRESHOLD</b>	<b>N.A.</b>
<b>VAPOR DENSITY</b>	<b>N.A.</b>
<b>pH</b>	<b>N.A.</b>
<b>RELATIVE DENSITY</b>	<b>N.A.</b>
<b>MELTING POINT/FREEZING POINT</b>	<b>N.A.</b>
<b>SOLUBILITY</b>	<b>N.A.</b>
<b>INITIAL BOILING POINT AND BOILING RANGE</b>	<b>N.A.</b>
<b>FLASH POINT</b>	<b>N.A.</b>
<b>EVAPORATION RATE</b>	<b>N.A.</b>
<b>FLAMMABILITY</b>	<b>N.A.</b>
<b>PARTITION COEFFICIENT (N-OCTANOL/WATER)</b>	<b>N.A.</b>
<b>AUTO-IGNITION TEMPERATURE</b>	<b>N.A.</b>
<b>DECOMPOSITION TEMPERATURE</b>	<b>N.A.</b>
<b>VISCOSITY</b>	<b>N.A.</b>

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

SEE ALSO SUBSECTIONS 10.4 TO 10.6  
THE PRODUCT HAS NOT BEEN TESTED FOR REACTIVITY

### 10.2 CHEMICAL STABILITY



SEE ALSO SUBSECTIONS 10.4 TO 10.6

### **10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

SEE SUBSECTIONS 10.4 TO 10.6

NO DECOMPOSITION IS ANTICIPATED UNDER NORMAL CONDITIONS OF USE

### **10.4 CONDITIONS TO AVOID**

SEE SECTION 7

HIGH HEAT, HIGH PRESSURE, ACIDIC ENVIRONMENTS, AND ALKALINE ENVIRONMENTS

### **10.5 INCOMPATIBLE MATERIALS**

SEE SECTION 7

ACIDS AND BASES (ALKALINE MATERIALS)

OXIDIZING AGENTS

### **10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

SEE ALSO SUBSECTION 10.4-10.5

SEE ALSO SUBSECTION 5.3

NO DECOMPOSITION ANTICIPATED UNDER NORMAL CONDITIONS OF USE

## **SECTION 11: TOXICOLOGICAL INFORMATION**

THIS PRODUCT IS AN ARTICLE. METALLIC LEAD IS NOT CLASSIFIED. LEAD OXIDE THAT BUILDS UP ON LEAD AS GRAY SCALE IS HAZARDOUS.

THE FOLLOWING APPLIES TO LEAD COMPOUNDS:

MAY CAUSE HARM TO AN UNBORN CHILD

POSSIBLE RISK OF IMPAIRED FERTILITY

PRODUCT IS DANGEROUS TO HEALTH

DANGER OF CUMULATIVE EFFECTS

### **SYMPTOMS OF EXPOSURE**





**LEAD**

DROP IN BLOOD PRESSURE, INTESTINAL DISTURBANCES, WEIGHT LOSS, CRAMPS, CIRCULATORY COLLAPSE, STOMACH CRAMPS, FATIGUE, MUSCLE PAINS, SHOCK, NAUSEA AND VOMITING

**ANTIMONY**

RESPIRATORY DISTRESS, COUGHING AND MUCOUS MEMBRANE IRRITATION

**TIN**

IRRITATION TO EYES, SKIN, AND RESPIRATORY SYSTEM. IN ANIMALS, MAY CAUSE VOMITING, DIARRHEA, AND PARALYSIS WITH MUSCLE TWITCHING

**SECTION 12: ECOLOGICAL INFORMATION**

**LEAD**

TOXICITY/EFFECT	ENDPOINT	TIME	VALUE	UNIT	ORGANISM	TEST METHOD	NOTES
TOXICITY TO FISH	LC 50	96H	0.44-1.33	MG/L	CYPRINUS CAPRIO	U.S. EPA ECOTOX DATABASE	
TOXICITY TO FISH	LC50	96H	40	MG/L	CARASSIUS AURATUS	U.S. EPA ECOTOX DATABASE	
TOXICITY TO DAPHNIA	LC 50	48H	4.4	MG/L	DAPHNIA MAGNA	U.S. EPA ECOTOX DATABASE	
TOXICITY TO ALGAE							N.D.A
PERSISTENCE AND							N.D.A



DEGRADABILITY							
BIO ACCUMULATIVE POTENTIAL							N.D.A
MOBILITY IN SOIL							N.D.A.
RESULTS OF PBT AND VPVB ASSESSMENT							N.D.A
OTHER ADVERSE EFFECTS							N.D.A

**ANTIMONY**

TOXICITY/EFFECT	ENDPOINT	TIME	VALUE	UNIT	ORGANISM	TEST METHOD	NOTES
TOXICITY TO FISH	LC 50	96H	6.2-8.3	MG/L	CYPRINODON VARIEGATUS		
TOXICITY TO DAPHNIA							N.D.A.
TOXICITY TO ALGAE							N.D.A.
PERSISTENCE AND DEGRADABILITY							N.D.A.
BIOACCUMULATIVE POTENTIAL							N.D.A.
MOBILITY IN SOIL							N.D.A
RESULTS OF PBT AND VPVB ASSESSMENT							N.D.A
OTHER ADVERSE EFFECTS							N.D.A



## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

DISPOSE OF WASTE PRODUCTS IN A PERMITTED WASTE DISPOSAL FACILITY. SINCE THE WASTE PRODUCTS WILL BE OUT OF THE CONTROL OF LAMART CORPORATION, IT IS THE RESPONSIBILITY OF THE END-USER TO PROPERLY CHARACTERIZE AND DISPOSE OF THE WASTE PRODUCTS.

## SECTION 14: TRANSPORTATION INFORMATION

### GENERAL STATEMENTS

UN NUMBER: N.A.

### TRANSPORT BY ROAD/BY RAIL (ADR/RID)

UN PROPER SHIPPING NAME:  
TRANSPORT HAZARD CLASS(ES): N.A.  
PACKING GROUP: N.A.  
CLASSIFICATION CODE: N.A.  
LQ (ADR 2011) N.A.  
LQ (ADR 2009) N.A.  
ENVIRONMENTAL HAZARD N.A.

### TRANSPORT BY SEA (IMDG-CODE)

UN PROPER SHIPPING NAME:  
TRANSPORT HAZARD CLASS(ES): N.A.  
PACKING GROUP: N.A.  
MARINE POLLUTANT N.A.  
ENVIRONMENTAL HAZARD N.A.

### TRANSPORT BY AIR (IATA)

UN PROPER SHIPPING NAME  
TRANSPORT HAZARD CLASS(ES): N.A.  
PACKING GROUP N.A.  
ENVIRONMENTAL HAZARD N.A.

### SPECIAL PRECAUTIONS FOR USER



UNLESS SPECIFIED OTHERWISE, GENERAL MEASURES FOR SAFE TRANSPORT MUST BE FOLLOWED

**TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND IBC CODE**

NON-DANGEROUS MATERIAL ACCORDING TO TRANSPORT REGULATIONS

**ADDITIONAL INFORMATION**

NON-DANGEROUS MATERIAL ACCORDING TO TRANSPORT REGULATIONS

## **SECTION 15: REGULATORY INFORMATION**

### **15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATION/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

FOR CLASSIFICATION AND LABELLING SEE SECTION 2

### **15.2 CALIFORNIA PROPOSITION 65**

THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS INCLUDING LEAD, WHICH ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

## **SECTION 16: OTHER INFORMATION**

The information provided herein is based on publicly available information on the raw materials that make up this product. Viadon has not had this product tested by an independent laboratory for its chemical content. Viadon does not routinely test its products for their chemical content, nor does it require its suppliers to do so. The information provided herein is based solely on documentation furnished by our raw material suppliers.

Furthermore, the information provided herein corresponds to Viadon's knowledge of this product on the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The information applies only to the specific materials designated herein as sold by Viadon, and does not apply to use in any process, or in combination with any other material. The information provided herein should not be used alone as the basis for your decisions, and it is not intended to substitute for regulatory text or for any information gathering you may need to conduct to determine for yourself the compliance with regulations for your particular operation or purposes. Since Viadon cannot anticipate all variation in actual end-use conditions, Viadon makes no warranties, and assumes no liability in connection with any use of this information.