

# SAFETY DATA SHEET

According to OSHA Hazard Communication Standard 29CFR 1910.1200  
(HCS 2012)

LA LMM-6018 TAPE		Tape roll	
Product specification	RS_FP_303534	Revision Date	02/21/2018
Version	1.15	Print Date	06/18/2018
Material number	1329869	Page	Page 1 of 10

## SECTION 1. IDENTIFICATION

Product name : **LA LMM-6018 TAPE**  
Tape roll

Material number : **1329869**

### Manufacturer or supplier's details

Company name of supplier : Ferro Corporation

Address : 6060 Parkland Blvd. Suite 250  
Mayfield Heights OH 44124-4185

Telephone : (216) 875-5600

### Emergency telephone number

In-Country Number : (800)424-9300

CHEMTREC Global Number : +(1)-703-527-3887(Call Collect)

### Recommended use of the chemical and restrictions on use

Recommended use : Consult the technical guidelines for the use of this  
substance/mixture.

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Serious eye damage : Category 1

Carcinogenicity : Category 1B

### GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H350 May cause cancer.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before  
use.  
P202 Do not handle until all safety  
precautions have been read and  
understood.

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P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P308 + P313

IF exposed or concerned: Get medical advice/ attention.

**Disposal:**

P501

Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : synthetic polymer, inorganic pigment, glass/frit

**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
glass, oxide, chemicals	65997-17-3	>= 10 - < 20

## SECTION 4. FIRST AID MEASURES

General advice : Consult a physician.

If inhaled : Remove to fresh air.  
If unconscious place in recovery position and seek medical advice.  
Never give anything by mouth to an unconscious person.

In case of skin contact : Wash off immediately with soap and plenty of water.  
If a person feels unwell or symptoms of skin irritation appear, consult a physician.

In case of eye contact : Rinse immediately with plenty of water and seek medical advice.

If swallowed : Do NOT induce vomiting.  
Rinse immediately with plenty of water and seek medical advice.

Most important symptoms and effects, both acute and delayed : May cause cancer.

## SECTION 5. FIREFIGHTING MEASURES

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Specific hazards during firefighting : Exposure to decomposition products may be a hazard to health.  
Do not allow run-off from fire fighting to enter drains or water courses.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.  
Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Prevent product from entering drains.

Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.

## SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not get in eyes or mouth or on skin.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Do not use in areas without adequate ventilation.

Conditions for safe storage : Keep in a dry, cool and well-ventilated place.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
glass, oxide, chemicals	65997-17-3	TWA	1 fibre/cm3	ACGIH

**Engineering measures** : Apply technical measures to comply with the occupational exposure limits.  
Provide adequate ventilation.

### Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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Hand protection	
Material	: Protective gloves
Eye protection	: Safety glasses with side-shields Ensure that eyewash stations and safety showers are close to the workstation location.
Protective measures	: Wear suitable protective equipment. When using do not eat, drink or smoke.
Hygiene measures	: Remove contaminated clothing and protective equipment before entering eating areas. Wash hands before breaks and immediately after handling the product.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: tape
Colour	: black
Odour	: characteristic
Odour Threshold	: Not applicable
pH	: No data available
Melting point/range	: No data available
Boiling point/boiling range	: Not applicable
Flash point	: > 95 °C
Evaporation rate	: Not applicable
Burning rate	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Bulk density	: No data available
Solubility(ies)	
Water solubility	: insoluble
Solubility in other solvents	: No data available

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Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: Not determined
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Refractive index	: Not applicable
Volatile organic compounds (VOC) content	: 0 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).  
This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable under recommended storage conditions.
Chemical stability	: No decomposition if stored and applied as directed.
Hazardous decomposition products	: Stable under normal conditions.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

inhalation (dust/mist/fume)  
inhalation (vapour)  
Skin  
Eye contact  
Ingestion

### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity	: Remarks: No data available
Acute inhalation toxicity	: Remarks: No data available

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Acute dermal toxicity : Remarks: No data available

## Components:

### ***glass, oxide, chemicals:***

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

## **Skin corrosion/irritation**

Not classified based on available information.

## **Serious eye damage/eye irritation**

Not classified based on available information.

## **Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

## **Germ cell mutagenicity**

Not classified based on available information.

## **Carcinogenicity**

May cause cancer.

### **IARC**

Group 2A: Probably carcinogenic to humans

glass, oxide, chemicals

65997-17-3

Group 2B: Possibly carcinogenic to humans

### **OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### **NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## **Reproductive toxicity**

Not classified based on available information.

## **STOT Specific Target Organ Toxicity - single exposure**

Not classified based on available information.

## **STOT Specific Target Organ Toxicity - repeated exposure**

Not classified based on available information.

## **Aspiration toxicity**

Not classified based on available information.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Ecotoxicology Assessment

Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

#### Components:

##### ***glass, oxide, chemicals:***

Toxicity to fish : LC50 (Fish): > 1,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): > 100 mg/l  
Exposure time: 48 h

Toxicity to algae : IC50 (algae): > 1,000 mg/l  
Exposure time: 72 h

### Persistence and degradability

#### Product:

Biodegradability : Remarks: No data available

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: No data available

### Mobility in soil

#### Product:

Distribution among environmental compartments : Remarks: No data available

### Other adverse effects

#### Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility.

## SECTION 14. TRANSPORT INFORMATION

### UNRTDG

Not regulated as a dangerous good

### IATA-DGR

Not regulated as a dangerous good

### IMDG-Code

Not regulated as a dangerous good

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

### 49 CFR

Not regulated as a dangerous good

## SECTION 15. REGULATORY INFORMATION

TSCA list : TSCA\_12b - Not relevant

TSCA list : TSCA 5a - Not relevant

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Chronic Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This product contains components that are reportable under the regulation.



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Chromium III CompoundsCobalt,  
inorganic compounds

## Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product contains components that are reportable under the regulation.

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

## Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product contains components that are reportable under the regulation.

## Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

## Pennsylvania Right To Know

This product contains components that are reportable under the regulation.

## New Jersey Right To Know

This product contains components that are reportable under the regulation.

## California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

## The components of this product are reported in the following inventories:

EINECS (European Union)	: On the inventory, or in compliance with the inventory
SWISS (Switzerland)	: On the inventory, or in compliance with the inventory
TSCA (United States)	: On TSCA Inventory
DSL/NDL (Canada)	: All components of this product are on the Canadian DSL.
AICS (Australia)	: Not in compliance with the inventory
NZioC (New Zealand)	: On the inventory, or in compliance with the inventory
ENCS (Japan)	: On the inventory, or in compliance with the inventory
ISHL (Japan)	: Not in compliance with the inventory

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KECI (Korea)	: Not in compliance with the inventory
PICCS (Philippines)	: Not in compliance with the inventory
IECSC (China)	: On the inventory, or in compliance with the inventory
TCSI (Taiwan)	: On the inventory, or in compliance with the inventory
CICR (Turkey)	: Not in compliance with the inventory
INSQ (Mexico)	: Not in compliance with the inventory

## SECTION 16. OTHER INFORMATION

Revision Date : 02/21/2018

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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