

# SAFETY DATA SHEET

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

LA LMM-14 Aerosol		GSLA_LMM-14 Black Aerosol Spray Can	
Product specification	RS_FP_603542	Revision Date	05/28/2024
Version	2.2	Print Date	05/29/2024
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## SECTION 1. IDENTIFICATION

Product name : **LA LMM-14 Aerosol**  
GSLA\_LMM-14 Black Aerosol Spray Can  
Product code : **1407083**

### Manufacturer or supplier's details

Company name of supplier : Vibrantz Corporation  
Address : 6060 Parkland Blvd. Suite 250  
Mayfield Heights OH 44124-4185  
Telephone : (216) 875-5600  
E-mail address of person responsible for the SDS : PS.Request.americas@vibrantz.com

### 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 in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable aerosols : Category 1  
Eye irritation : Category 2A  
Gases under pressure : Category 1  
Carcinogenicity : Category 2

### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.  
H280 Contains gas under pressure; may

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explode if heated.

Precautionary statements	:	<b>Prevention:</b>	
		P201	Obtain special instructions before use.
		P202	Do not handle until all safety precautions have been read and understood.
		P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
		P211	Do not spray on an open flame or other ignition source.
		P251	Pressurized container: Do not pierce or burn, even after use.
		P264	Wash skin thoroughly after handling.
		P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
		<b>Response:</b>	
		P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P308 + P313	IF exposed or concerned: Get medical advice/ attention.
		P337 + P313	If eye irritation persists: Get medical advice/ attention.
		<b>Storage:</b>	
		P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
		<b>Disposal:</b>	
		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	:	inorganic metal-nonmetal compound organic solvent aldehyde/ketone silicatic material hydrocarbon, aliphatic

## Components

Chemical name	CAS-No.	Concentration (% w/w)
ethanol	64-17-5	>= 30 - < 50

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propane	74-98-6	$\geq 20 - < 30$
Molybdenum(VI) oxide	1313-27-5	$\geq 10 - < 20$
acetone	67-64-1	$\geq 5 - < 10$
quartz	14808-60-7	$\geq 1 - < 5$
mica	12001-26-2	$\geq 1 - < 5$
Silica, amorphous	112945-52-5	$\geq 0.1 - < 1$
kaolin	1332-58-7	$\geq 0.1 - < 1$

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

General advice	: Do not leave the victim unattended. Move out of dangerous area. Show this safety data sheet to the doctor in attendance.
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	: Causes serious eye irritation. Suspected of causing cancer.
Notes to physician	: Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Alcohol-resistant foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire-fighting	: Exposure to decomposition products may be a hazard to health. Do not allow run-off from fire fighting to enter drains or water courses.

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- Further information : Use a water spray to cool fully closed containers.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.
- 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 protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).  
Use only explosion-proof equipment.  
Keep away from open flames, hot surfaces and sources of ignition.  
Do not spray on a naked flame or any incandescent material.
- 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.  
Keep away from heat and sources of ignition.
- Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
No smoking.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.

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Further information on storage stability : No decomposition if stored and applied as directed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ethanol	64-17-5	STEL	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m3	OSHA P0
propane	74-98-6	TWA	1,000 ppm 1,800 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,800 mg/m3	OSHA P0
Molybdenum(VI) oxide	1313-27-5	TWA	5 mg/m3 (Molybdenum)	OSHA Z-1
		TWA (Respirable particulate matter)	0.5 mg/m3 (Molybdenum)	ACGIH
		TWA	5 mg/m3 (Molybdenum)	OSHA P0
acetone	67-64-1	TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
		TWA	250 ppm 590 mg/m3	NIOSH REL
		TWA	1,000 ppm 2,400 mg/m3	OSHA Z-1
		STEL	1,000 ppm 2,400 mg/m3	OSHA P0
		TWA	750 ppm 1,800 mg/m3	OSHA P0
quartz	14808-60-7	TWA (Respirable dust)	0.05 mg/m3	OSHA Z-1
		TWA (respirable)	10 mg/m3 / %SiO2+2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO2+5	OSHA Z-3
		TWA (respirable dust fraction)	0.1 mg/m3	OSHA P0
		TWA (Res-	0.025 mg/m3	ACGIH

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		pirable particulate matter)	(Silica)	
		PEL (respirable)	0.05 mg/m3	OSHA CARC
		TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
mica	12001-26-2	TWA (Respirable particulate matter)	0.1 mg/m3	ACGIH
		TWA (Dust)	20 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable)	3 mg/m3	NIOSH REL
		TWA (respirable dust fraction)	3 mg/m3	OSHA P0
Silica, amorphous	112945-52-5	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
		TWA	6 mg/m3 (Silica)	NIOSH REL
kaolin	1332-58-7	TWA (Respirable particulate matter)	2 mg/m3	ACGIH
		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		PEL (respirable)	0.05 mg/m3	OSHA CARC

### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
acetone	67-64-1	Acetone	Urine	End of shift (As soon as	25 mg/l	ACGIH BEI

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				possible after exposure ceases)		
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**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.

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.

Skin and body protection : Impervious clothing

Protective measures : Wear suitable protective equipment.

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 : aerosol

Colour : black

Odour : characteristic

Odour Threshold : No data available

pH : No data available

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : 57 °F / 14 °C

Evaporation rate : No data available

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Burning rate : No data available

Self-ignition : No data available

Upper explosion limit / Upper flammability limit : 23 %(V)

Lower explosion limit / Lower flammability limit : 2.1 %(V)

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 : soluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : not determined

Decomposition temperature : No data available

Viscosity  
Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Refractive index : No data available

Volatile organic compounds (VOC) content : This product contains components that are reportable under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

This product contains components with VOC exemptions listed under the U.S. Clean Air Act Section 450.



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## SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	No data available
Possibility of hazardous reactions	:	No data available
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	No data available Not applicable
Hazardous decomposition products	:	Stable under normal conditions. 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 : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

### Components:

#### ethanol:

Acute oral toxicity : LD50 Oral (Rat, male and female): 10,470 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 51 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Method: OECD Test Guideline 402

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## propane:

Acute inhalation toxicity : LC50 (Rat): 658 mg/l  
Exposure time: 4 h  
Test atmosphere: gas

## Molybdenum(VI) oxide:

Acute oral toxicity : LD50 (Rat, male and female): 4,461 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : LC50 (Rat, male and female): > 5,840 mg/m3  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Target Organs: Mucous membranes  
GLP: yes  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: No adverse effect has been observed in acute toxicity tests.

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity

## acetone:

Acute oral toxicity : LD50 Oral (Rat): 5,800 mg/kg

Acute inhalation toxicity : LC50 (Rat): 50,100 mg/m3  
Exposure time: 8 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 15,700 mg/kg

## quartz:

Acute oral toxicity : LD50 Oral (Rat): 500 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity

## Silica, amorphous:

Acute oral toxicity : LD50 Oral (Rat): 3,160 mg/kg

## Skin corrosion/irritation

Not classified based on available information.

## Components:

### ethanol:

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Species : Rabbit  
Exposure time : 24 h  
Method : OECD Test Guideline 404  
Result : No skin irritation

## **Molybdenum(VI) oxide:**

Species : Rabbit  
Exposure time : 4 h  
Assessment : No skin irritation  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : yes

## **acetone:**

Assessment : Irritating to skin.  
Result : Irritating to skin.

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

Causes serious eye irritation.

## **Components:**

### **ethanol:**

Species : Rabbit  
Result : Eye irritation  
Method : OECD Test Guideline 405

## **Molybdenum(VI) oxide:**

Species : Rabbit  
Result : Irritating to eyes.  
Assessment : Irritating to eyes.

## **acetone:**

Result : Irritating to eyes.  
Assessment : Irritating to eyes.

## **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**

Suspected of causing cancer.

**IARC** Group 2B: Possibly carcinogenic to humans

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	Molybdenum(VI) oxide	1313-27-5
OSHA	OSHA specifically regulated carcinogen quartz (crystalline silica)	14808-60-7
	OSHA specifically regulated carcinogen kaolin (crystalline silica)	1332-58-7
NTP	Known to be human carcinogen quartz (Silica, Crystalline (Respirable Size))	14808-60-7
	Known to be human carcinogen kaolin (Silica, Crystalline (Respirable Size))	1332-58-7

## Reproductive toxicity

Not classified based on available information.

## STOT - single exposure

Not classified based on available information.

## Components:

### Molybdenum(VI) oxide:

Assessment : May cause respiratory irritation.

## STOT - repeated exposure

Not classified based on available information.

## Aspiration toxicity

Not classified based on available information.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### ethanol:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 13,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Daphnia magna (Water flea)): 12,340 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l End point: Growth rate Exposure time: 72 h Test Type: static test

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Method: OECD Test Guideline 201

EC10 (Chlorella vulgaris (Fresh water algae)): 11.5 mg/l  
Exposure time: 72 h  
Test Type: static test

## Molybdenum(VI) oxide:

Toxicity to fish : (Oncorhynchus mykiss (rainbow trout)): 100 mg/l  
Method: OECD Test Guideline 203  
Remarks: No toxicity at the limit of solubility

(Pimephales promelas (fathead minnow)): 370 mg/l  
Exposure time: 96 h  
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): 100 mg/l  
Exposure time: 24 h  
Method: OECD Test Guideline 202  
Remarks: No toxicity at the limit of solubility

(Daphnia magna (Water flea)): 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: No toxicity at the limit of solubility

## acetone:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4.74 mg/l  
Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): 6,210 - 8,120 mg/l  
Exposure time: 96 h  
Test Type: static test

LC50 (Lepomis macrochirus (Bluegill sunfish)): 8,300 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 10,294 mg/l  
Exposure time: 48 h

## Persistence and degradability

### Components:

#### ethanol:

Biodegradability : aerobic  
Result: Readily biodegradable.  
Biodegradation: 97 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

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## Bioaccumulative potential

### Components:

#### ethanol:

Bioaccumulation : Bioconcentration factor (BCF): 0.66  
Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: -0.35 (75 °F / 24 °C)  
pH: 7.4  
Method: OECD Test Guideline 107

#### acetone:

Partition coefficient: n-octanol/water : log Pow: -0.24

## Mobility in soil

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).

Additional ecological information : None known.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Send to a licensed waste management company.  
Dispose of wastes in an approved waste disposal facility.  
The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

UN/ID No. : UN 1950  
Proper shipping name : Aerosols, flammable  
Class : 2.1  
Packing group : Not assigned by regulation  
Labels : Flammable Gas  
Packing instruction (cargo aircraft) : 203  
Packing instruction (passenger aircraft) : 203

#### IMDG-Code

UN number : UN 1950  
Proper shipping name : AEROSOLS  
  
Class : 2.1  
Packing group : Not assigned by regulation  
Labels : 2.1  
EmS Code : F-D, S-U  
Marine pollutant : no

### 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

UN/ID/NA number : UN 1950  
Proper shipping name : Aerosols  
  
Class : 2.1  
Packing group : Not assigned by regulation  
Labels : FLAMMABLE GAS  
ERG Code : 126  
Marine pollutant : no

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
acetone	67-64-1	100	100 (F003)

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## SARA 304 Extremely Hazardous Substances Reportable Quantity

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

## SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Gases under pressure  
Flammable (gases, aerosols, liquids, or solids)  
Carcinogenicity  
Serious eye damage or eye irritation

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

Molybdenum trioxide  
Nickel 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 hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product contains components that are reportable under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product contains components that are reportable under the U.S. Clean Air Act Section 111 SOCM 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 U.S. Clean Water Act Section 307.

This product does not contain any priority pollutants related to the U.S. Clean Water Act

## US State Regulations

### Massachusetts Right To Know

This product contains components that are reportable under the regulation.

### Pennsylvania Right To Know

This product contains components that are reportable under the regulation.

### Maine Chemicals of High Concern

This product contains components that are reportable under the regulation.

### Vermont Chemicals of High Concern

This product contains components that are reportable under the regulation.

### Washington Chemicals of High Concern

Product does not contain any listed chemicals

### California Prop. 65



# SAFETY DATA SHEET

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

LA LMM-14 Aerosol		GSLA_LMM-14 Black Aerosol Spray Can	
Product specification	RS_FP_603542	Revision Date	05/28/2024
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WARNING! This product contains a chemical known to the State of California to cause cancer.

## California List of Hazardous Substances

This product contains components that are reportable under the regulation.

## California Permissible Exposure Limits for Chemical Contaminants

This product contains components that are reportable under the regulation.

## California Regulated Carcinogens

This product contains components that are reportable under the regulation.

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

TCSI (Taiwan)	:	On the inventory, or in compliance with the inventory
TSCA (United States)	:	All substances listed as active on the TSCA inventory
AIIIC (Australia)	:	On the inventory, or in compliance with the inventory
DSL/NDSL (Canada)	:	All components of this product are on the Canadian DSL
ENCS (Japan)	:	On the inventory, or in compliance with the inventory
ISHL (Japan)	:	Not in compliance with the inventory
KECI (Korea)	:	On the inventory, or in compliance with the inventory
PICCS (Philippines)	:	On the inventory, or in compliance with the inventory
IECSC (China)	:	On the inventory, or in compliance with the inventory
NZioC (New Zealand)	:	Not in compliance with the inventory
SWISS (Switzerland)	:	On the inventory, or in compliance with the inventory
EINECS (European Union)	:	On the inventory, or in compliance with the inventory
CICR (Turkey)	:	Not in compliance with the inventory
TECI (Thailand)	:	On the inventory, or in compliance with the inventory

## TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA CARC	:	OSHA Specifically Regulated Chemicals/Carcinogens

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OSHA P0	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA CARC / PEL	:	Permissible exposure limit (PEL)
OSHA P0 / TWA	:	8-hour time weighted average
OSHA P0 / STEL	:	Short-term exposure limit
OSHA Z-1 / TWA	:	8-hour time weighted average
OSHA Z-3 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 05/28/2024

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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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