

According to (EC) No. 1907/2006, as amended

LA LMM-14 Aerosol		GSLA_LMM-14 Black Aerosol Spray Can	
Product specification	RS_FP_603542	Revision Date	22.12.2021
Version	1.10	Print Date	15.01.2025
Material number	1407083	Page	Page 1 of 20

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Material number : **1407083**

Trade name : **LA LMM-14 Aerosol**
GSLA_LMM-14 Black Aerosol Spray Can

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Decorative coating

1.3 Details of the supplier of the safety data sheet

Company : Vibrantz GmbH
Gutleutstraße 215
60327 Frankfurt am Main

Telephone : +4969271160

Telefax : +496927116333

E-mail address : sdb@vibrantz.com

Responsible/issuing person

1.4 Emergency telephone number

In-Country Number : +(44)-870-8200418

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

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1 H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Carcinogenicity, Category 2 H351: Suspected of causing cancer.


2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H319 Causes serious eye irritation. H351 Suspected of causing cancer.
Precautionary statements	:	Prevention: P201 Obtain special instructions before use. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Storage: P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Hazardous components which must be listed on the label:

Molybdenum(VI) oxide

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Prolonged inhalation of fine quartz dust may cause silicosis when the maximum admissible concentration at the work place is exceeded. Symptoms of a silicosis may be cough and chronic inflammation of the respiratory system. There is some evidence of increased risk of lung cancer in people who suffer from silicosis.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature : inorganic metal-nonmetal compound
organic solvent
aldehyde/ketone
silicatic material

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hydrocarbon, aliphatic

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
propane	74-98-6 200-827-9	Flam. Gas 1; H220 Press. Gas Liquefied gas; H280	>= 25 - < 50
Molybdenum(VI) oxide	1313-27-5 215-204-7 01-2119488038-30- xxxx	Eye Irrit. 2; H319 Carc. 2; H351 STOT SE 3; H335	>= 10 - < 20
acetone	67-64-1 200-662-2 01-2119471330-49- xxxx	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 3 - < 10
Substances with a workplace exposure limit :			
ethanol	64-17-5 200-578-6 01-2119457610-43- xxxx	Flam. Liq. 2; H225	>= 25 - < 50
quartz	14808-60-7 238-878-4 Exempted from registration		< 10
mica	12001-26-2 310-127-6		< 10

For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

- General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.

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- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : None known.
Risks : Causes serious eye irritation.
Suspected of causing cancer.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

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

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Further information : Use water spray to cool unopened containers.
 For safety reasons in case of fire, cans should be stored separately in closed containments.
 Use a water spray to cool fully closed containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
 Avoid breathing dust.
 Ensure adequate ventilation.
 Remove all sources of ignition.
 Evacuate personnel to safe areas.
 Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
 Prevent further leakage or spillage if safe to do so.
 If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
 Avoid exposure - obtain special instructions before use.
 Avoid exceeding the given occupational exposure limits (see section 8).
 Avoid contact with skin and eyes.
 For personal protection see section 8.
 Smoking, eating and drinking should be prohibited in the application area.
 Take precautionary measures against static discharges.
 Provide sufficient air exchange and/or exhaust in work rooms.
 Container may be opened only under exhaust ventilation

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- hood.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Take measures to prevent the build up of electrostatic charge. Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : 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. Store in cool place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

- Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Expressed as	Basis
ethanol	64-17-5	TWA	1.000 ppm 1.920 mg/m ³		GB EH40
Further information	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used				
Molybdenum(VI) oxide	1313-27-5	TWA	5 mg/m ³ (Molybdenum)	Molybdenum	GB EH40
		STEL	10 mg/m ³ (Molybdenum)	Molybdenum	GB EH40

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acetone	67-64-1	TWA	500 ppm 1.210 mg/m ³		2000/39/EC
Further information	Indicative				
		TWA	500 ppm 1.210 mg/m ³		GB EH40
		STEL	1.500 ppm 3.620 mg/m ³		GB EH40
quartz	14808-60-7	TWA (Respirable dust)	0,1 mg/m ³ (Silica)	Silica	GB EH40
Further information	<p>For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used</p>				
mica	12001-26-2	TWA (Inhalable)	10 mg/m ³		GB EH40
Further information	<p>For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used</p>				
		TWA (Respirable)	0,8 mg/m ³		GB EH40
Further information	<p>For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used</p>				
ethanol	64-17-5	TWA	1.000 ppm 1.920 mg/m ³		GB EH40

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Further information	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used				
Molybdenum(VI) oxide	1313-27-5	TWA	5 mg/m ³ (Molybdenum)	Molybdenum	GB EH40
		STEL	10 mg/m ³ (Molybdenum)	Molybdenum	GB EH40
acetone	67-64-1	TWA	500 ppm 1.210 mg/m ³		2000/39/EC
Further information	Indicative				
		TWA	500 ppm 1.210 mg/m ³		GB EH40
		STEL	1.500 ppm 3.620 mg/m ³		GB EH40
quartz	14808-60-7	TWA (Respirable dust)	0,1 mg/m ³ (Silica)	Silica	GB EH40
Further information	<p>For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used</p>				
mica	12001-26-2	TWA (Inhalable)	10 mg/m ³		GB EH40
Further information	<p>For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used</p>				
		TWA (Respirable)	0,8 mg/m ³		GB EH40

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Further information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used
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Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

ethanol : End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 950 mg/m3

End Use: Workers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 343 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

ethanol : Fresh water
Value: 0,96 mg/l

Marine water
Value: 0,79 mg/l

Fresh water sediment
Value: 3,6 mg/kg dry weight (d.w.)

Marine sediment
Value: 2,9 mg/kg dry weight (d.w.)

Soil
Value: 0,63 mg/kg dry weight (d.w.)

Sewage treatment plant
Value: 580 mg/l

8.2 Exposure controls

Engineering measures

No data available

Personal protective equipment

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

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- Hand protection : Solvent-resistant gloves
The selected protective gloves have to satisfy the specifications of the Regulation (EU) 2016/425 and the standard EN 374 derived from it.
Before removing gloves clean them with soap and water.
Use chemical-protective gloves with CE-labelling of category III.
- Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
In the case of dust or aerosol formation use respirator with an approved filter.
- Protective measures : Wear suitable protective equipment.
Avoid contact with skin.
When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic 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 : 14 °C
- Evaporation rate : No data available
Burning rate : No data available
- Auto-ignition temperature : No data available
Upper explosion limit : 19 %(V)
- Lower explosion 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

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Solubility(ies)
Water solubility : soluble

Solubility in other solvents : No data available

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

9.2 Other information

Refractive index : No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.
No hazards to be specially mentioned.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

Stable under normal conditions.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Components:

Molybdenum(VI) oxide:

Acute oral toxicity : LD50 (Rat, male and female): 4.461 mg/kg
Method: OECD Test Guideline 401
GLP: yes

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

ethanol:

Acute dermal toxicity : LD50 (Rabbit): 15.800 mg/kg

quartz:

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

Skin corrosion/irritation

Not classified based on available information.

Components:

Molybdenum(VI) oxide:

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

ethanol:

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

Serious eye damage/eye irritation

Causes serious eye irritation.

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Product:

Remarks: May cause irreversible eye damage.

Components:

Molybdenum(VI) oxide:

Species: Rabbit

Assessment: Irritating to eyes.

Result: Irritating to eyes.

acetone:

Assessment: Irritating to eyes.

Result: Irritating to eyes.

ethanol:

Species: Rabbit

Method: OECD Test Guideline 405

Result: Eye irritation

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Product:

Remarks: No data available

Components:

Molybdenum(VI) oxide:

Remarks: No data available

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

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Further information

Product:

Remarks: Solvents may degrease the skin.

Components:

Molybdenum(VI) oxide:

Remarks: No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Components:

Molybdenum(VI) oxide:

Toxicity to fish : (Pimephales promelas (fathead minnow)): 370 mg/l
 Exposure time: 96 h
 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

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 10.294 mg/l
 Exposure time: 48 h

ethanol:

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): 9.268 mg/l
 Exposure time: 48 h

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Components:

propane:

Biodegradability : Remarks: No data available

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Molybdenum(VI) oxide:

Biodegradability : Remarks: No data available

acetone:

Biodegradability : Remarks: No data available

ethanol:

Biodegradability : Remarks: No data available

quartz:

Biodegradability : Remarks: No data available

mica:

Biodegradability : Remarks: No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

propane:

Bioaccumulation : Remarks: No data available

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

Molybdenum(VI) oxide:

Bioaccumulation : Remarks: No data available

acetone:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: -0,24

ethanol:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: -0,349 (24 °C)

quartz:

Bioaccumulation : Remarks: No data available

mica:

Bioaccumulation : Remarks: No data available

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12.4 Mobility in soil

Product:

Distribution among environmental compartments : Remarks: No data available

Components:

propane:

Distribution among environmental compartments : Remarks: No data available

Molybdenum(VI) oxide:

Distribution among environmental compartments : Remarks: No data available

acetone:

Distribution among environmental compartments : Remarks: No data available

ethanol:

Distribution among environmental compartments : Remarks: No data available

quartz:

Distribution among environmental compartments : Remarks: No data available

mica:

Distribution among environmental compartments : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : Remarks: No data available
There is no data available for this product.

Components:

Molybdenum(VI) oxide:

Additional ecological information : Remarks: No data available
There is no data available for this product.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

- Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Offer surplus and non-recyclable solutions to a licensed disposal company.
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty pressure vessels should be returned to the supplier.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

- ADR : UN 1950
IMDG : UN 1950
IATA : UN 1950

14.2 UN proper shipping name

- ADR : AEROSOLS, FLAMMABLE
IMDG : AEROSOLS
IATA : Aerosols, flammable

14.3 Transport hazard class(es)

- ADR : 2
IMDG : 2.1
IATA : 2.1

14.4 Packing group

- ADR
Packing group : Not assigned by regulation
Classification Code : 5F
Labels : 2.1
Tunnel restriction code : (D)

IMDG

SAFETY DATA SHEET



According to (EC) No. 1907/2006, as amended

LA LMM-14 Aerosol		GSLA_LMM-14 Black Aerosol Spray Can	
Product specification	RS_FP_603542	Revision Date	22.12.2021
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Packing group : Not assigned by regulation
Labels : 2.1
EmS Code : F-D, S-U

IATA

Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203
Packing instruction (LQ) : Y203
Packing group : Not assigned by regulation
Labels : 2.1

14.5 Environmental hazards

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable for product as supplied.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Neither banned nor restricted

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : ethanol

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Neither banned nor restricted

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV) : Neither banned nor restricted

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Neither banned nor restricted

SAFETY DATA SHEET



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Regulation 2019/1021 on persistent organic pollutants : Neither banned nor restricted

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P3a	FLAMMABLE AEROSOLS	150 t	500 t
34	Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)	2.500 t	25.000 t

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/NDSL (Canada) : All components of this product are on the Canadian DSL.

AICS (Australia) : On the inventory, or 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

KECI (Korea) : On the inventory, or in compliance with the inventory

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PICCS (Philippines) : On the inventory, or 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

15.2 Chemical Safety Assessment

Not applicable

SECTION 16: OTHER INFORMATION

Full text of H-Statements

- H220 : Extremely flammable gas.
- H225 : Highly flammable liquid and vapour.
- H280 : Contains gas under pressure; may explode if heated.
- H319 : Causes serious eye irritation.
- H335 : May cause respiratory irritation.
- H336 : May cause drowsiness or dizziness.
- H351 : Suspected of causing cancer.

Full text of other abbreviations

- Carc. : Carcinogenicity
- Eye Irrit. : Eye irritation
- Flam. Gas : Flammable gases
- Flam. Liq. : Flammable liquids
- Press. Gas : Gases under pressure
- STOT SE : Specific target organ toxicity - single exposure

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.