

LA LMM-6000		GSLA*LMM-6000 Black Paste Metal 500 G	
Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 1 of 17

SECTION 1. IDENTIFICATION

Product name : **LA LMM-6000**
GSLA*LMM-6000 Black Paste Metal 500 G

Material number : **1407089**

Chemical nature : Paint

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 : Industrial use

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 2

Eye irritation : Category 2A

Specific target organ toxicity
- single exposure : Category 3 (Respiratory system)

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Material Safety Data Sheet



LA LMM-6000

Product specification **RS_FP_603463**
Version **2.2**
Material number **1407089**

GSLA*LMM-6000 Black Paste Metal 500 G

Revision Date **03/13/2017**
Print Date **10/09/2017**
Page **Page 2 of 17**

Precautionary statements	:	Prevention:	
		P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
		P233	Keep container tightly closed.
		P240	Ground/bond container and receiving equipment.
		P241	Use explosion-proof electrical/ventilating/ lighting/ equipment.
		P242	Use only non-sparking tools.
		P243	Take precautionary measures against static discharge.
		P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
		P264	Wash skin thoroughly after handling.
		P271	Use only outdoors or in a well-ventilated area.
		P280	Wear protective gloves/ eye protection/ face protection.
		Response:	
		P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
		P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
		P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P337 + P313	If eye irritation persists: Get medical advice/ attention.
		P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
		Storage:	
		P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
		P403 + P235	Store in a well-ventilated place. Keep cool.
		Disposal:	
		P501	Dispose of contents/ container to an approved waste disposal plant.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : Paint

Material Safety Data Sheet

LA LMM-6000		GSLA*LMM-6000 Black Paste Metal 500 G	
Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 3 of 17

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
ethanol	64-17-5	>= 30 - < 50
Trade Secret Molybdenum Compound	Not Assigned	>= 30 - < 50
Trade Secret Silicated compound	Not Assigned	>= 5 - < 10
Trade Secret Vanadium Compound	Not Assigned	>= 1 - < 5
propane-1,2-diol	57-55-6	>= 1 - < 5
2-butoxyethanol	111-76-2	>= 1 - < 5
ethyl acetate	141-78-6	>= 1 - < 5

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	: Causes serious eye irritation. May cause respiratory irritation.

SECTION 5. FIREFIGHTING MEASURES

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. Do not use a solid water stream as it may scatter and spread fire. Burning produces irritant fumes. Cool closed containers exposed to fire with water spray.
Hazardous combustion products	: No hazardous combustion products are known
Further information	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

LA LMM-6000		GSLA*LMM-6000 Black Paste Metal	500 G
--------------------	--	--	--------------

Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 4 of 17

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 : Keep away from heat and sources of ignition.

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 : 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
ethanol	64-17-5	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m ³	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m ³	OSHA P0
		STEL	1,000 ppm	ACGIH
Trade Secret Molybdenum Compound	Not Assigned	TWA	5 mg/m ³ (Molybdenum)	OSHA Z-1
		TWA (Respirable)	0.5 mg/m ³ (Molybdenum)	ACGIH

Material Safety Data Sheet



LA LMM-6000 **GSLA*LMM-6000 Black Paste Metal 500 G**

Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 5 of 17

		fraction)		
		TWA	5 mg/m3 (Molybdenum)	OSHA P0
Trade Secret Silicated compound	Not Assigned	TWA (Respirable fraction)	3 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
Trade Secret Vanadium Compound	Not Assigned	C (Dust)	0.05 mg/m3 (Vanadium)	NIOSH REL
		C (Fumes)	0.05 mg/m3 (Vanadium)	NIOSH REL
propane-1,2-diol	57-55-6	TWA	10 mg/m3	US WEEL
2-butoxyethanol	111-76-2	TWA	20 ppm	ACGIH
		TWA	5 ppm 24 mg/m3	NIOSH REL
		TWA	50 ppm 240 mg/m3	OSHA Z-1
		TWA	25 ppm 120 mg/m3	OSHA P0
ethyl acetate	141-78-6	TWA	400 ppm	ACGIH
		TWA	400 ppm 1,400 mg/m3	NIOSH REL
		TWA	400 ppm 1,400 mg/m3	OSHA Z-1
		TWA	400 ppm 1,400 mg/m3	OSHA P0

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-butoxyethanol	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g Creatinine	ACGIH BEI

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 Safety Data Sheet

LA LMM-6000		GSLA*LMM-6000 Black Paste Metal 500 G	
Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 6 of 17

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. Avoid contact with skin. 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	:	paste
Colour	:	yellow
Odour	:	characteristic
Odour Threshold	:	No data available
pH	:	No data available
Melting point/range	:	No data available
Flash point	:	14 °C Method: calculated
Evaporation rate	:	No data available
Burning rate	:	No data available
Upper explosion limit	:	19 %(V)
Lower explosion limit	:	2 %(V)
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	No data available
Bulk density	:	No data available
Solubility(ies)		
Water solubility	:	soluble
Solubility in other solvents	:	No data available

Material Safety Data Sheet



LA LMM-6000		GSLA*LMM-6000 Black Paste Metal	500 G
Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 7 of 17

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	:	Not applicable
Refractive index	:	No data available
Volatile organic compounds (VOC) content	:	50 %

The following chemical(s) are 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.
Conditions to avoid	:	Incompatible materials Extremes of temperature and direct sunlight.
Incompatible materials	:	Incompatible with oxidizing agents. Incompatible with strong acids and bases.
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
--	---	---

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg
---------------------	---	--

LA LMM-6000		GSLA*LMM-6000 Black Paste Metal 500 G	
--------------------	--	--	--

Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 8 of 17

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 40 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:

ethanol:

Acute oral toxicity : LD50 Oral (Rat): 10,470 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 15,800 mg/kg

Trade Secret Molybdenum Compound:

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

Trade Secret Vanadium Compound:

Acute oral toxicity : LD50 (Rat, male and female): 275.87 mg/kg
Method: OECD Test Guideline 401
GLP: yes

propane-1,2-diol:

Acute oral toxicity : LD50 Oral (Rat): 20 g/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 20,800 mg/kg

2-butoxyethanol:

Acute oral toxicity : LD50 Oral (Rat, male and female): 1,200 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute inhalation toxicity : LC50 (Rat, male): 2.4 mg/l
Exposure time: 4 h

Material Safety Data Sheet

LA LMM-6000		GSLA*LMM-6000 Black Paste Metal 500 G	
Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 9 of 17

Test atmosphere: vapour
Method: OECD Test Guideline 403
GLP: no
Assessment: The substance or mixture has no acute inhalation toxicity

LC50 (Rat, female): 2.2 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403
GLP: no
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 Dermal (Rat, male and female): 841 mg/kg
Method: OECD Test Guideline 402
GLP: yes

ethyl acetate:
Acute oral toxicity : LD50 Oral (Rat): 6,100 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 22.5 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 Dermal (Rabbit): > 18,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

ethanol:

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

Trade Secret Molybdenum Compound:

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

2-butoxyethanol:

Species: Rabbit
Exposure time: 72 h
Method: OECD Test Guideline 404
Result: Irritating to skin.
GLP: yes

Serious eye damage/eye irritation

Causes serious eye irritation.

LA LMM-6000		GSLA*LMM-6000 Black Paste Metal 500 G	
Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 10 of 17

Components:

ethanol:

Species: Rabbit
Result: Moderate eye irritation
Method: OECD Test Guideline 405

Trade Secret Molybdenum Compound:

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

Trade Secret Vanadium Compound:

Species: Rabbit
Result: Irritating to eyes.
Exposure time: 1 h
Method: OECD Test Guideline 405
GLP: yes

2-butoxyethanol:

Result: Eye irritation

ethyl acetate:

Species: Rabbit
Result: No eye irritation

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

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT Specific Target Organ Toxicity - single exposure

May cause respiratory irritation.

Components:

Trade Secret Molybdenum Compound:

Assessment: May cause respiratory irritation.

Trade Secret Vanadium Compound:

Assessment: May cause respiratory irritation.

STOT Specific Target Organ Toxicity - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

IARC

No component of this product present at levels greater than or

Material Safety Data Sheet



LA LMM-6000 GSLA*LMM-6000 Black Paste Metal 500 G

Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 11 of 17

equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

ACGIH

Confirmed animal carcinogen with unknown relevance to humans

2-butoxyethanol 111-76-2

Trade Secret Molybdenum Compound

solvent naphtha (petroleum), light, aromatic 64742-95-6

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

Components:

ethanol:

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): 9,268 mg/l
Exposure time: 48 h

Trade Secret Molybdenum Compound:

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

Material Safety Data Sheet



LA LMM-6000 GSLA*LMM-6000 Black Paste Metal 500 G

Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 12 of 17

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

Trade Secret Vanadium Compound:

Toxicity to fish : LC50 (Marine species): 27.8 mg/l
Exposure time: 96 h
Test Type: flow-through test

Ecotoxicology Assessment

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

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

propane-1,2-diol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 51,400 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): > 10,000 mg/l
Exposure time: 96 h

Toxicity to algae : EC50 (algae): 19,000 mg/l
Exposure time: 96 h

2-butoxyethanol:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,490 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,800 mg/l
Exposure time: 48 h

ethyl acetate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 220 mg/l
Exposure time: 96 h
Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 560 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (algae): 3,300 mg/l
Exposure time: 48 h

Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Material Safety Data Sheet

LA LMM-6000		GSLA*LMM-6000 Black Paste Metal 500 G	
Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 13 of 17

Components:

ethanol:

Biodegradability : Remarks: No data available

Trade Secret Molybdenum Compound:

Biodegradability : Remarks: No data available

Trade Secret Silicated compound:

Biodegradability : Remarks: No data available

Trade Secret Vanadium Compound:

Biodegradability : Remarks: No data available

propane-1,2-diol:

Biodegradability : Remarks: No data available

2-butoxyethanol:

Biodegradability : Remarks: No data available

ethyl acetate:

Biodegradability : Remarks: No data available

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

ethanol:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-
octanol/water : log Pow: -0.349 (24 °C)

Trade Secret Molybdenum Compound:

Bioaccumulation : Remarks: No data available

Trade Secret Silicated compound:

Bioaccumulation : Remarks: No data available

Trade Secret Vanadium Compound:

Bioaccumulation : Remarks: No data available

propane-1,2-diol:

Bioaccumulation : Remarks: No data available

2-butoxyethanol:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-
octanol/water : log Pow: 0.77 (20 °C)
pH: 7

ethyl acetate:

Bioaccumulation : Remarks: No data available

Material Safety Data Sheet



LA LMM-6000 GSLA*LMM-6000 Black Paste Metal 500 G

Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 14 of 17

Partition coefficient: n-octanol/water : log Pow: 0.73 (20 °C)

Mobility in soil

Product:

Distribution among environmental compartments : Remarks: No data available

Components:

ethanol:

Distribution among environmental compartments : Remarks: No data available

Trade Secret Molybdenum Compound:

Distribution among environmental compartments : Remarks: No data available

Trade Secret Silicated compound:

Distribution among environmental compartments : Remarks: No data available

Trade Secret Vanadium Compound:

Distribution among environmental compartments : Remarks: No data available

propane-1,2-diol:

Distribution among environmental compartments : Remarks: No data available

2-butoxyethanol:

Distribution among environmental compartments : Remarks: No data available

ethyl acetate:

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).

LA LMM-6000		GSLA*LMM-6000 Black Paste Metal 500 G	
Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 15 of 17

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

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

SECTION 14. TRANSPORT INFORMATION

UNRTDG

UN number : UN 1263
Proper shipping name : PAINT
Class : 3
Packing group : II
Labels : 3

IATA-DGR

UN number : UN 1263
Proper shipping name : Paint
Class : 3
Packing group : II
Labels : 3
Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : 353

IMDG-Code

UN number : UN 1263
Proper shipping name : PAINT

Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-E
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 1263
Proper shipping name : PAINT

Class : 3
Packing group : II
Labels : 3
ERG Code : 128
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

Material Safety Data Sheet



LA LMM-6000 GSLA*LMM-6000 Black Paste Metal 500 G

Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 16 of 17

TSCA list : TSCA 5a - Not relevant

TSCA list : TSCA_12b - Not relevant

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

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Trade Secret Vanadium Compound		1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

SARA 311/312 Hazards : Fire Hazard
Acute 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.

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 does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

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 contains components that are reportable under the regulation.

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 does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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.

New Jersey Right To Know

This product contains components that are reportable under the regulation.

Material Safety Data Sheet



LA LMM-6000		GSLA*LMM-6000 Black Paste Metal 500 G	
Product specification	RS_FP_603463	Revision Date	03/13/2017
Version	2.2	Print Date	10/09/2017
Material number	1407089	Page	Page 17 of 17

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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
- 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) : On the inventory, or in compliance with the inventory
- INSQ (Mexico) : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

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.

US / EN