

Children's Product Certificate

Item No 13959687

Product Description: PYO Story Stones

MindWare verifies that the product conforms to the following Safety Standards:

- ✓ CPSIA, § 101 - Lead in Substrate
- ✓ CPSIA, § 101 – 16 CFR Part 1303 – Lead in Paint & Surface Coatings
- ✓ CPSIA, § 106 – ASTM F963-16/17 Toy Safety Specification
- ✓ CPSIA, § 108 – Phthalates in Children's Products
- ✓ 16 CFR § 1500.19 – CSPA Labeling (small parts, etc.)
- ✓ 16 CFR § 1500.44 – Flammability
- ✓ 16 CFR § 1500.48 & .49 – Sharp points/Edges
- ✓ 16 CFR § 1501– Small Parts

Date and Place of Manufactured:	Yantian, CHINA
	April, 2020

Importer of Record	MindWare Corporation		
Address:	2140 County Road C West, Roseville, MN 55113		
Contact	Jessica Chapman	T: (402) 939-1319	E: jchapman@oriental.com

Person Responsible for Maintaining Records of Test Results	Jennifer Dillon-Jones, Sourcing & Quality Manager
T: (651) 268-2822	E: jdillonjones@mindware.com

CPSC Accredited Laboratory Name	Intertek Testing Services Hong Kong Ltd.
Address:	2/F Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong
Phone:	85221738888
Date and Place of test:	April 22, 2020 Kowloon, Hong Kong

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – Black

Item no.: PF-81732-LC028-01

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards
PVP-K 30	3.5%	9003-39-8	No classified hazards

Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Tartrazine	0.0025%	1934-21-0	No classified hazards
Sunset Yellow	0.0025%	2783-94-0	No classified hazards
Amaranth	0.0025%	915-67-3	No classified hazards
Brilliant Blue	0.0025%	3844-45-9	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact. Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment. Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	Black
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid

N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

12.1 Toxicity N/A

12.2 Persistence and degradability N/A

12.3 Bioaccumulative potential N/A

12.4 Mobility in soil N/A

12.5 Results of PBT and vPvB assessment N/A

12.6 Other adverse effects N/A

13. Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

14.1 UN number N/A

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class(es) N/A

14.4 Packing group N/A

14.5 Environmental hazards No

14.6 Special precautions for user N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

15.2 Chemical safety assessment N/A

16. Other information N/P

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – Blue

Item no.: PF-81732-LC028-02

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards
PVP-K 30	3.5%	9003-39-8	No classified hazards

Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Brilliant Blue	0.01%	3844-45-9	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact.

Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment. Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	Blue
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

12.1 Toxicity N/A

12.2 Persistence and degradability N/A

12.3 Bioaccumulative potential N/A

12.4 Mobility in soil N/A

12.5 Results of PBT and vPvB assessment N/A

12.6 Other adverse effects N/A

13. Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

14.1 UN number N/A

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class(es) N/A

14.4 Packing group N/A

14.5 Environmental hazards No

14.6 Special precautions for user N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

15.2 Chemical safety assessment N/A

16. Other information N/P

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – Brown

Item no.: PF-81732-LC028-03

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards
PVP-K 30	3.5%	9003-39-8	No classified hazards

Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Sunset Yellow	0.0075%	2783-94-0	No classified hazards
Copper Chlorophylls	0.002%	65963-40-8	No classified hazards
Brilliant Blue	0.0005%	3844-45-9	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact. Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment. Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	Brown
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid

N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

12.1 Toxicity N/A

12.2 Persistence and degradability N/A

12.3 Bioaccumulative potential N/A

12.4 Mobility in soil N/A

12.5 Results of PBT and vPvB assessment N/A

12.6 Other adverse effects N/A

13. Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

14.1 UN number N/A

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class(es) N/A

14.4 Packing group N/A

14.5 Environmental hazards No

14.6 Special precautions for user N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

15.2 Chemical safety assessment N/A

16. Other information N/P

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – Green

Item no.: PF-81732-LC028-04

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards
PVP-K 30	3.5%	9003-39-8	No classified hazards

Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Copper Chlorophylls	0.01%	65963-40-8	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact.

Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment. Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	Green
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

12.1 Toxicity N/A

12.2 Persistence and degradability N/A

12.3 Bioaccumulative potential N/A

12.4 Mobility in soil N/A

12.5 Results of PBT and vPvB assessment N/A

12.6 Other adverse effects N/A

13. Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

14.1 UN number N/A

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class(es) N/A

14.4 Packing group N/A

14.5 Environmental hazards No

14.6 Special precautions for user N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

15.2 Chemical safety assessment N/A

16. Other information N/P

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – Light Blue

Item no.: PF-81732-LC028-05

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards

PVP-K 30	3.5%	9003-39-8	No classified hazards
Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Brilliant Blue	0.002	3844-45-9	No classified hazards
Titanic Oxide	0.008	13463-67-7	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact. Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment.
Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	Light Blue
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

12.1 Toxicity N/A

12.2 Persistence and degradability N/A

12.3 Bioaccumulative potential N/A

12.4 Mobility in soil N/A

12.5 Results of PBT and vPvB assessment N/A

12.6 Other adverse effects N/A

13. Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

14.1 UN number N/A

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class(es) N/A

14.4 Packing group N/A

14.5 Environmental hazards No

14.6 Special precautions for user N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

15.2 Chemical safety assessment N/A

16. Other information N/P

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – Light Green

Item no.: PF-81732-LC028-06

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards
PVP-K 30	3.5%	9003-39-8	No classified hazards

Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Copper Chlorophylls	0.002%	65963-40-8	No classified hazards
Titanic Oxide	0.008%	13463-67-7	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact. Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment.

Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	Light Green
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

12.1 Toxicity N/A

12.2 Persistence and degradability N/A

12.3 Bioaccumulative potential N/A

12.4 Mobility in soil N/A

12.5 Results of PBT and vPvB assessment N/A

12.6 Other adverse effects N/A

13. Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

14.1 UN number N/A

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class(es) N/A

14.4 Packing group N/A

14.5 Environmental hazards No

14.6 Special precautions for user N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

15.2 Chemical safety assessment N/A

16. Other information N/P

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – Orange

Item no.: PF-81732-LC028-07

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards
PVP-K 30	3.5%	9003-39-8	No classified hazards

Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Sunset Yellow	0.01%	2783-94-0	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact.

Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment. Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	Orange
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

12.1 Toxicity N/A

12.2 Persistence and degradability N/A

12.3 Bioaccumulative potential N/A

12.4 Mobility in soil N/A

12.5 Results of PBT and vPvB assessment N/A

12.6 Other adverse effects N/A

13. Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

14.1 UN number N/A

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class(es) N/A

14.4 Packing group N/A

14.5 Environmental hazards No

14.6 Special precautions for user N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

15.2 Chemical safety assessment N/A

16. Other information N/P

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – Pink

Item no.: PF-81732-LC028-08

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards
PVP-K 30	3.5%	9003-39-8	No classified hazards

Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Food Red 14	0.01%	16423-68-0	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact.

Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment. Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	Pink
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

- 12.1 Toxicity N/A
- 12.2 Persistence and degradability N/A
- 12.3 Bioaccumulative potential N/A
- 12.4 Mobility in soil N/A
- 12.5 Results of PBT and vPvB assessment N/A
- 12.6 Other adverse effects N/A

13. Disposal considerations

- 13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

- 14.1 UN number N/A
- 14.2 UN proper shipping name Not dangerous goods
- 14.3 Transport hazard class(es) N/A
- 14.4 Packing group N/A
- 14.5 Environmental hazards No
- 14.6 Special precautions for user N/A
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

- 15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture N/A
- 15.2 Chemical safety assessment N/A

16. Other information N/P

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – Purple

Item no.: PF-81732-LC028-09

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards
PVP-K 30	3.5%	9003-39-8	No classified hazards

Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Shikonin Red	0.01%	517-89-5	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact.

Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment. Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	Purple
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

12.1 Toxicity N/A

12.2 Persistence and degradability N/A

12.3 Bioaccumulative potential N/A

12.4 Mobility in soil N/A

12.5 Results of PBT and vPvB assessment N/A

12.6 Other adverse effects N/A

13. Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

14.1 UN number N/A

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class(es) N/A

14.4 Packing group N/A

14.5 Environmental hazards No

14.6 Special precautions for user N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

15.2 Chemical safety assessment N/A

16. Other information N/P

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – Red

Item no.: PF-81732-LC028-10

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards
PVP-K 30	3.5%	9003-39-8	No classified hazards

Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Ponceau 4R	0.01%	2611-82-7	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact.

Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment. Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	Red
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

- 12.1 Toxicity N/A
- 12.2 Persistence and degradability N/A
- 12.3 Bioaccumulative potential N/A
- 12.4 Mobility in soil N/A
- 12.5 Results of PBT and vPvB assessment N/A
- 12.6 Other adverse effects N/A

13. Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

- 14.1 UN number N/A
- 14.2 UN proper shipping name Not dangerous goods
- 14.3 Transport hazard class(es) N/A
- 14.4 Packing group N/A
- 14.5 Environmental hazards No
- 14.6 Special precautions for user N/A
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

- 15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture N/A
- 15.2 Chemical safety assessment N/A

16. Other information N/P

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – White

Item no.: PF-81732-LC028-11

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards
PVP-K 30	3.5%	9003-39-8	No classified hazards

Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Titanic Oxide	0.01%	13463-67-7	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact.

Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment. Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	White
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

12.1 Toxicity N/A

12.2 Persistence and degradability N/A

12.3 Bioaccumulative potential N/A

12.4 Mobility in soil N/A

12.5 Results of PBT and vPvB assessment N/A

12.6 Other adverse effects N/A

13. Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

14.1 UN number N/A

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class(es) N/A

14.4 Packing group N/A

14.5 Environmental hazards No

14.6 Special precautions for user N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

15.2 Chemical safety assessment N/A

16. Other information N/P

Material Safety Data Sheet

1. Identification of the substance/ mixture of the company/ undertaking

1.1 Product identifier

Product Name: Ceramic Paint – Yellow

Item no.: PF-81732-LC028-12

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

Identified uses: Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Lai On Products (Industrial) Limited

Address: Unit D-F, 19/F, Mai Luen Industrial Building, 23-31 Kung Yip Street, Kwai Chung, N.T., Hong Kong.

Telephone: 852-24811230

Fax: 852-24812832

Email address: ben.chan@laion.com

1.4 Emergency telephone number

Emergency phone number: 852-21171987

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in according to Regulation (EC) No. 1272/2008

2.3 Other hazards None.

3. Composition/ information on ingredients

3.1 Substances N/A

3.2 Mixtures

Name	Weight	CAS No.	*Classified hazards
Styrene-acrylic latex	7.5%	25085-34-1	No classified hazards
PVP-K 30	3.5%	9003-39-8	No classified hazards

Cellulose Ethers	1.0%	9004-57-3	No classified hazards
Polyacrylate Sodium	0.5%	9003-04-7	No classified hazards
Distilled Water	87.489%	7732-18-5	No classified hazards
Propylene Glycol	0.001%	57-55-6	No classified hazards
Tartrazine	0.01%	1934-21-0	No classified hazards

*Please refer to section 16 for applicable warning sentences.

4. First aid measures

4.1 Description of first aid measures

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Wash off with soap and plenty of water in case of skin contact.

Flush eyes with water in case of eye contact. If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed N/A

4.3 Indication of any immediate medical attention and special treatment needed N/A

5. Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections For disposal

see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) N/A

8. Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

General industrial hygiene practice. Use eye and body protection equipment. Handle with gloves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Odor	Odorless
c) Color	Yellow
d) Solubility	Soluble in water
e) Density	N/A
f) pH	6.5
g) Melting point	N/A
h) Boiling point	N/A
i) Vapor density	N/A
j) Vapor pressure	N/A
k) Evaporation rate	N/A

9.2 Other information N/A

10. Stability and reactivity

10.1 Reactivity N/A

10.2 Chemical stability N/A

10.3 Possibility of hazardous reactions N/A

10.4 Conditions to avoid N/A

10.5 Incompatible materials N/A

10.6 Hazardous decomposition products N/A

11. Toxicological information

11.1 Information on toxicological effects N/P

12. Ecological information

12.1 Toxicity N/A

12.2 Persistence and degradability N/A

12.3 Bioaccumulative potential N/A

12.4 Mobility in soil N/A

12.5 Results of PBT and vPvB assessment N/A

12.6 Other adverse effects N/A

13. Disposal considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport information

14.1 UN number N/A

14.2 UN proper shipping name Not dangerous goods

14.3 Transport hazard class(es) N/A

14.4 Packing group N/A

14.5 Environmental hazards No

14.6 Special precautions for user N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

15.2 Chemical safety assessment N/A

16. Other information N/P