



Eye Candy Pigments

480 Fentress Blvd Ste A

Daytona Beach, FL

Tel: 760-822-5832

www.eyecandypigments.com

According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

Date of issue : 07.09.2011 – Version : EU_EN/2 – Print date : February 2018

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Trade name : Asagi Yellow Green – ECC-01513

Relevant identified uses of the substance

or mixture and uses advised against : colouring agent

Uses advised against : not known

Details of the supplier of the safety
data sheet

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No.

1272/2008 (CLP) : not classified

According to Directive 67/548/EEC &

Directive 1999/45/EC : not classified

Additional information : not available

Label elements

GHS label elements : not applicable

Hazard pictogram(s) : not applicable

Signal word(s) : not applicable

Hazard statement(s) : not applicable

Precautionary statement(s) : not applicable

Other hazards : not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : zinc Sulfide. Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition(%)	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP)
Zinc sulfide	68611-70-1	271-904-2		100	Not classified



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4. FIRST AID MEASURES

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest
Skin contact : wash affected skin with plenty of water
Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention
Ingestion : if ingested, wash out mouth with water, drink milk or egg white
Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed

Acute : none
Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical
Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated
Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust
Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact
In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
Environmental precautions : do not allow to enter drains, sewers or watercourses
Methods and material for
Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable
Reference to other sections : see sections 8 and 13



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7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Colour : Yellow Green

Odour : odourless

pH : not applicable

Boiling point, ° C : not applicable

Melting point, ° C : > 401.5°C

Flash point : not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : > 400°C

Vapour pressure : not applicable

Upper explosion limit : not applicable

Lower explosion limit : not applicable

Density : 1.78 g/ml (20°C)



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Bulk density : not determined
Solubility (in water) : 1002.e-3 g/l (zinc compound)
Explosive properties : Product does not present an explosion hazard.
Oxidizing properties : No information available.
Particle size : 5-10µm

10. STABILITY AND REACTIVITY

Reactivity : there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability : stable under normal conditions
Possibility of hazardous reactions : none
Conditions to avoid : high temperature
Incompatible materials : strongly acidic, strongly alkaline, oxidizing agents
Decomposition products : no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity : not available
Carcinogenicity : not available

12. ECOLOGICAL INFORMATION

Toxicity : no data
Persistence and degradability : insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential : no data
Mobility in soil : not applicable
Results of PBT and vPvB assessment : not applicable
Other adverse effects : not known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods : dispose of contents in accordance with local, state or national legislation

14. TRANSPORT INFORMATION



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Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

15. REGULATORY INFORMATION

According to Directive 67/548/EEC &

Directive 1999/45/EC

: not classified as dangerous for supply/use

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

: not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001

Book on "Safe Handling of Pigments", European Edition 1995, BCMA, EPSOM ETAD, VdMi

HSDB

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Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service



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Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Trade name : Beni Red – ECC-01516
Relevant identified uses of the substance
or mixture and uses advised against : colouring agent
Uses advised against : not known
Details of the supplier of the safety
data sheet

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No.
1272/2008 (CLP) : not classified
According to Directive 67/548/EEC &
Directive 1999/45/EC : not classified
Additional information : not available

Label elements

GHS label elements : not applicable
Hazard pictogram(s) : not applicable
Signal word(s) : not applicable
Hazard statement(s) : not applicable
Precautionary statement(s) : not applicable
Other hazards : not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : Strontium aluminate-polyurethane-11-red 28 . Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition(%)	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP)
Strontium aluminate	12004-37-4	234-455-3		75-85	Not classified
Polyurethane-11	68258-82-2			15-25	Not classified
Red 28	18472-87-2			0-1	Not classified



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4. FIRST AID MEASURES

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest
Skin contact : wash affected skin with plenty of water
Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention
Ingestion : if ingested, wash out mouth with water, drink milk or egg white
Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed
Acute : none
Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical
Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated
Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust
Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact
In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
Environmental precautions : do not allow to enter drains, sewers or watercourses
Methods and material for
Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable



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Reference to other sections : see sections 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Colour : Red

Odour : odourless

pH : not applicable

Boiling point, ° C : not applicable

Melting point, ° C : > 401.5°C

Flash point : not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : > 400°C

Vapour pressure : not applicable

Upper explosion limit : not applicable

Lower explosion limit : not applicable



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Density	: 1.78 g/ml (20°C)
Bulk density	: not determined
Solubility (in water)	: 1002.e-3 g/l (zinc compound)
Explosive properties	: Product does not present an explosion hazard.
Oxidizing properties	: No information available.
Particle size	: 30-50µm

10. STABILITY AND REACTIVITY

Reactivity	: there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability	: stable under normal conditions
Possibility of hazardous reactions	: none
Conditions to avoid	: high temperature
Incompatible materials	: strongly acidic, strongly alkaline, oxidizing agents
Decomposition products	: no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity	: not available
Carcinogenicity	: not available

12. ECOLOGICAL INFORMATION

Toxicity	: no data
Persistence and degradability	: insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential	: no data
Mobility in soil	: not applicable
Results of PBT and vPvB assessment	: not applicable
Other adverse effects	: not known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	: dispose of contents in accordance with local, state or national legislation
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14. TRANSPORT INFORMATION



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Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

15. REGULATORY INFORMATION

According to Directive 67/548/EEC &

Directive 1999/45/EC

: not classified as dangerous for supply/use

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

: not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

DATA SOURCES

NPRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001

Book on "Safe Handling of Pigments", European Edition 1995, BCMA, EPSOM ETAD, VdMi

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Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service



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Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Trade name : Daidaiiro Orange – ECC-01518

Relevant identified uses of the substance

or mixture and uses advised against : coloring agent

Uses advised against : not known

Details of the supplier of the safety
data sheet

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No.

1272/2008(CLP) : not classified

According to Directive 67/548/EEC &

Directive 1999/45/EC : not classified

Additional information : not available

Label elements

GHS label elements : not applicable

Hazard pictogram(s) : not applicable

Signal word(s) : not applicable

Hazard statement(s) : not applicable

Precautionary statement(s) : not applicable

Other hazards : not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : Strontium aluminate-polyurethane-11-yellow 5-red 28 . Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition(%)	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008(CLP)
Strontium aluminate	12004-37-4	234-455-3		75-85	Not classified
Polyurethane-11	68258-82-2			14-24	Not classified
Yellow 5	12225-21-7	235-428-9	19140	0-1	Not classified



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According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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Red 28	18472-87-2	242-355-6	45410	0-1	Not classified
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4. FIRST AID MEASURES

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest
Skin contact : wash affected skin with plenty of water
Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention
Ingestion : if ingested, wash out mouth with water, drink milk or egg white
Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed

Acute : none
Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical
Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated
Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust
Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact
In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
Environmental precautions : do not allow to enter drains, sewers or watercourses
Methods and material for



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Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable

Reference to other sections : see sections 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Colour : Orange Red

Odour : odourless

pH : not applicable

Boiling point, ° C : not applicable

Melting point, ° C : > 401.5°C

Flash point : not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : > 400°C

Vapour pressure : not applicable



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According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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Upper explosion limit	: not applicable
Lower explosion limit	: not applicable
Density	: 1.78 g/ml (20°C)
Bulk density	: not determined
Solubility (in water)	: 1002.e-3 g/l (zinc compound)
Explosive properties	: Product does not present an explosion hazard.
Oxidizing properties	: No information available.
Particle size	: 30-50µm

10. STABILITY AND REACTIVITY

Reactivity	: there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability	: stable under normal conditions
Possibility of hazardous reactions	: none
Conditions to avoid	: high temperature
Incompatible materials	: strongly acidic, strongly alkaline, oxidizing agents
Decomposition products	: no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity	: not available
Carcinogenicity	: not available

12. ECOLOGICAL INFORMATION

Toxicity	: no data
Persistence and degradability	: insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential	: no data
Mobility in soil	: not applicable
Results of PBT and vPvB assessment	: not applicable
Other adverse effects	: not known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	: dispose of contents in accordance with local, state or national legislation
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14. TRANSPORT INFORMATION

Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

15. REGULATORY INFORMATION

According to Directive 67/548/EEC &

Directive 1999/45/EC : not classified as dangerous for supply/use

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

: not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

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Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Trade name : Daijin Blue – ECC-01515
Relevant identified uses of the substance
or mixture and uses advised against : colouring agent
Uses advised against : not known
Details of the supplier of the safety
data sheet

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No.
1272/2008 (CLP) : not classified
According to Directive 67/548/EEC &
Directive 1999/45/EC : not classified
Additional information : not available

Label elements

GHS label elements : not applicable
Hazard pictogram(s) : not applicable
Signal word(s) : not applicable
Hazard statement(s) : not applicable
Precautionary statement(s) : not applicable
Other hazards : not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : Strontium aluminate-polyurethane-11-ultramarine blue . Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition(%)	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP)
Strontium aluminate	12004-37-4	234-455-3	77975	75-84	Not classified
Polyurethane-11	68258-82-2			15-24	Not classified
Ultramarine blue	57455-37-5	309-928-3	77007	0-1	Not classified



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According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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4. FIRST AID MEASURES

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest
Skin contact : wash affected skin with plenty of water
Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention
Ingestion : if ingested, wash out mouth with water, drink milk or egg white
Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed
Acute : none
Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical
Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated
Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust
Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact
In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
Environmental precautions : do not allow to enter drains, sewers or watercourses
Methods and material for
Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable



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Reference to other sections : see sections 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Colour : Sky Blue

Odour : odourless

pH : not applicable

Boiling point, ° C : not applicable

Melting point, ° C : > 401.5°C

Flash point : not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : > 400°C

Vapour pressure : not applicable

Upper explosion limit : not applicable

Lower explosion limit : not applicable



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Density	: 1.78 g/ml (20°C)
Bulk density	: not determined
Solubility (in water)	: 1002.e-3 g/l (zinc compound)
Explosive properties	: Product does not present an explosion hazard.
Oxidizing properties	: No information available.
Particle size	: 30-50µm

10. STABILITY AND REACTIVITY

Reactivity	: there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability	: stable under normal conditions
Possibility of hazardous reactions	: none
Conditions to avoid	: high temperature
Incompatible materials	: strongly acidic, strongly alkaline, oxidizing agents
Decomposition products	: no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity	: not available
Carcinogenicity	: not available

12. ECOLOGICAL INFORMATION

Toxicity	: no data
Persistence and degradability	: insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential	: no data
Mobility in soil	: not applicable
Results of PBT and vPvB assessment	: not applicable
Other adverse effects	: not known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	: dispose of contents in accordance with local, state or national legislation
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14. TRANSPORT INFORMATION



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Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

15. REGULATORY INFORMATION

According to Directive 67/548/EEC &

Directive 1999/45/EC

: not classified as dangerous for supply/use

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

: not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001

Book on "Safe Handling of Pigments", European Edition 1995, BCMA, EPSOM ETAD, VdMi

HSDB

NIOSH ICSC

Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service



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Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Trade name : Daishin Yellow – ECC-01522
Relevant identified uses of the substance
or mixture and uses advised against : coloring agent
Uses advised against : not known
Details of the supplier of the safety
data sheet

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No.
1272/2008 (CLP) : not classified
According to Directive 67/548/EEC &
Directive 1999/45/EC : not classified
Additional information : not available

Label elements

GHS label elements : not applicable
Hazard pictogram(s) : not applicable
Signal word(s) : not applicable
Hazard statement(s) : not applicable
Precautionary statement(s) : not applicable
Other hazards : not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : Strontium aluminate-polyurethane-11-yellow 5. Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition(%)	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP)
Strontium aluminate	12004-37-4	234-455-3		75-85	Not classified
Polyurethane-11	68258-82-2			15-25	Not classified
Yellow 5	12225-21-7			0-1	Not classified



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4. FIRST AID MEASURES

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest
Skin contact : wash affected skin with plenty of water
Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention
Ingestion : if ingested, wash out mouth with water, drink milk or egg white
Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed
Actue : none
Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical
Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated
Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust
Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact
In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
Environmental precautions : do not allow to enter drains, sewers or watercourses
Methods and material for
Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable



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Date of issue : 07.09.2011 – Version : EU_EN/2 – Print date : February 2018

Reference to other sections : see sections 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Colour : Yellow Green

Odour : odourless

pH : not applicable

Boiling point, ° C : not applicable

Melting point, ° C : > 401.5°C

Flash point : not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : > 400°C

Vapour pressure : not applicable

Upper explosion limit : not applicable

Lower explosion limit : not applicable



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According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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Density	: 1.78 g/ml (20°C)
Bulk density	: not determined
Solubility (in water)	: 1002.e-3 g/l (zinc compound)
Explosive properties	: Product does not present an explosion hazard.
Oxidizing properties	: No information available.
Particle size	: 30-50µm

10. STABILITY AND REACTIVITY

Reactivity	: there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability	: stable under normal conditions
Possibility of hazardous reactions	: none
Conditions to avoid	: high temperature
Incompatible materials	: strongly acidic, strongly alkaline, oxidizing agents
Decomposition products	: no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity	: not available
Carcinogenicity	: not available

12. ECOLOGICAL INFORMATION

Toxicity	: no data
Persistence and degradability	: insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential	: no data
Mobility in soil	: not applicable
Results of PBT and vPvB assessment	: not applicable
Other adverse effects	: not known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	: dispose of contents in accordance with local, state or national legislation
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14. TRANSPORT INFORMATION



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Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

15. REGULATORY INFORMATION

According to Directive 67/548/EEC &

Directive 1999/45/EC

: not classified as dangerous for supply/use

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

: not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001

Book on "Safe Handling of Pigments", European Edition 1995, BCMA, EPSOM ETAD, VdMi

HSDB

NIOSH ICSC

Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service



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According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Trade name : Daitoku Purple – ECC-01521
Relevant identified uses of the substance
or mixture and uses advised against : coloring agent
Uses advised against : not known
Details of the supplier of the safety
data sheet

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No.
1272/2008 (CLP) : not classified
According to Directive 67/548/EEC &
Directive 1999/45/EC : not classified
Additional information : not available

Label elements

GHS label elements : not applicable
Hazard pictogram(s) : not applicable
Signal word(s) : not applicable
Hazard statement(s) : not applicable
Precautionary statement(s) : not applicable
Other hazards : not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : Strontium aluminate-polyurethane-11-manganese violet . Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition(%)	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP)
Strontium aluminate	12004-37-4	234-455-3		74-85	Not classified
Polyurethane-11	68258-82-2			15-25	Not classified
Manganese violet	10101-66-3	233-257-4	77742	0-1	Not classified



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According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

Date of issue : 07.09.2011 – Version : EU_EN/2 – Print date : February 2018

4. FIRST AID MEASURES

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest
Skin contact : wash affected skin with plenty of water
Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention
Ingestion : if ingested, wash out mouth with water, drink milk or egg white
Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed
Acute : none
Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical
Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated
Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust
Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact
In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
Environmental precautions : do not allow to enter drains, sewers or watercourses
Methods and material for
Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable



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Reference to other sections : see sections 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Colour : Violet

Odour : odourless

pH : not applicable

Boiling point, ° C : not applicable

Melting point, ° C : > 401.5°C

Flash point : not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : > 400°C

Vapour pressure : not applicable

Upper explosion limit : not applicable

Lower explosion limit : not applicable



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According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

Date of issue : 07.09.2011 – Version : EU_EN/2 – Print date : February 2018

Density	: 1.78 g/ml (20°C)
Bulk density	: not determined
Solubility (in water)	: 1002.e-3 g/l (zinc compound)
Explosive properties	: Product does not present an explosion hazard.
Oxidizing properties	: No information available.
Particle size	: 30-50µm

10. STABILITY AND REACTIVITY

Reactivity	: there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability	: stable under normal conditions
Possibility of hazardous reactions	: none
Conditions to avoid	: high temperature
Incompatible materials	: strongly acidic, strongly alkaline, oxidizing agents
Decomposition products	: no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity	: not available
Carcinogenicity	: not available

12. ECOLOGICAL INFORMATION

Toxicity	: no data
Persistence and degradability	: insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential	: no data
Mobility in soil	: not applicable
Results of PBT and vPvB assessment	: not applicable
Other adverse effects	: not known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	: dispose of contents in accordance with local, state or national legislation
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14. TRANSPORT INFORMATION



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According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

Date of issue : 07.09.2011 – Version : EU_EN/2 – Print date : February 2018

Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

15. REGULATORY INFORMATION

According to Directive 67/548/EEC &

Directive 1999/45/EC

: not classified as dangerous for supply/use

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

: not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001

Book on "Safe Handling of Pigments", European Edition 1995, BCMA, EPSOM ETAD, VdMi

HSDB

NIOSH ICSC

Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service



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According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Trade name : Midori Green – ECC-01517
Relevant identified uses of the substance
or mixture and uses advised against : coloring agent
Uses advised against : not known
Details of the supplier of the safety
data sheet

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No.
1272/2008 (CLP) : not classified
According to Directive 67/548/EEC &
Directive 1999/45/EC : not classified
Additional information : not available

Label elements

GHS label elements : not applicable
Hazard pictogram(s) : not applicable
Signal word(s) : not applicable
Hazard statement(s) : not applicable
Precautionary statement(s) : not applicable
Other hazards : not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : Strontium aluminate-polyurethane-11-chromium oxide green . Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition(%)	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP)
Strontium aluminate	12004-37-4	234-455-3		74-84	Not classified
Polyurethane-11	68258-82-2			15-25	Not classified
Chromium oxide	1308-38-9	215-160-9	77288	0-1	Not classified



Eye Candy Pigments
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 Tel: 760-822-5832
 www.eyecandypigments.com

According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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green					
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4. FIRST AID MEASURES

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest
 Skin contact : wash affected skin with plenty of water
 Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention
 Ingestion : if ingested, wash out mouth with water, drink milk or egg white
 Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed
 Acute : none
 Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
 b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical
 Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated
 Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust
 Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact
 In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
 Environmental precautions : do not allow to enter drains, sewers or watercourses
 Methods and material for



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Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable

Reference to other sections : see sections 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Colour : Fluorescent Green

Odour : odourless

pH : not applicable

Boiling point, ° C : not applicable

Melting point, ° C : > 401.5°C

Flash point : not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : > 400°C

Vapour pressure : not applicable



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Upper explosion limit	: not applicable
Lower explosion limit	: not applicable
Density	: 1.78 g/ml (20°C)
Bulk density	: not determined
Solubility (in water)	: 1002.e-3 g/l (zinc compound)
Explosive properties	: Product does not present an explosion hazard.
Oxidizing properties	: No information available.
Particle size	: 30-50µm

10. STABILITY AND REACTIVITY

Reactivity	: there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability	: stable under normal conditions
Possibility of hazardous reactions	: none
Conditions to avoid	: high temperature
Incompatible materials	: strongly acidic, strongly alkaline, oxidizing agents
Decomposition products	: no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity	: not available
Carcinogenicity	: not available

12. ECOLOGICAL INFORMATION

Toxicity	: no data
Persistence and degradability	: insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential	: no data
Mobility in soil	: not applicable
Results of PBT and vPvB assessment	: not applicable
Other adverse effects	: not known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	: dispose of contents in accordance with local, state or national legislation
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14. TRANSPORT INFORMATION

Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

15. REGULATORY INFORMATION

According to Directive 67/548/EEC &

Directive 1999/45/EC : not classified as dangerous for supply/use

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

: not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001

Book on "Safe Handling of Pigments", European Edition 1995, BCMA, EPSOM ETAD, VdMi

HSDB

NIOSH ICSC

Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service



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Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Trade name : Mizudori Green – ECC-01512
Relevant identified uses of the substance
or mixture and uses advised against : colouring agent
Uses advised against : not known
Details of the supplier of the safety
data sheet

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No.
1272/2008 (CLP) : not classified
According to Directive 67/548/EEC &
Directive 1999/45/EC : not classified
Additional information : not available

Label elements

GHS label elements : not applicable
Hazard pictogram(s) : not applicable
Signal word(s) : not applicable
Hazard statement(s) : not applicable
Precautionary statement(s) : not applicable
Other hazards : not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : zinc Sulfide. Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition(%)	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP)
Zinc sulfide	68611-70-1	271-904-2		100	Not classified



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4. FIRST AID MEASURES

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest
Skin contact : wash affected skin with plenty of water
Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention
Ingestion : if ingested, wash out mouth with water, drink milk or egg white
Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed
Acute : none
Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical
Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated
Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust
Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact
In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
Environmental precautions : do not allow to enter drains, sewers or watercourses
Methods and material for
Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable
Reference to other sections : see sections 8 and 13



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7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Colour : Blue Green

Odour : odourless

pH : not applicable

Boiling point, ° C : not applicable

Melting point, ° C : > 401.5°C

Flash point : not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : > 400°C

Vapour pressure : not applicable

Upper explosion limit : not applicable

Lower explosion limit : not applicable

Density : 1.78 g/ml (20°C)



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Bulk density : not determined
Solubility (in water) : 1002.e-3 g/l (zinc compound)
Explosive properties : Product does not present an explosion hazard.
Oxidizing properties : No information available.
Particle size : 15-25µm

10. STABILITY AND REACTIVITY

Reactivity : there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability : stable under normal conditions
Possibility of hazardous reactions : none
Conditions to avoid : high temperature
Incompatible materials : strongly acidic, strongly alkaline, oxidizing agents
Decomposition products : no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity : not available
Carcinogenicity : not available

12. ECOLOGICAL INFORMATION

Toxicity : no data
Persistence and degradability : insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential : no data
Mobility in soil : not applicable
Results of PBT and vPvB assessment : not applicable
Other adverse effects : not known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods : dispose of contents in accordance with local, state or national legislation

14. TRANSPORT INFORMATION



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Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

15. REGULATORY INFORMATION

According to Directive 67/548/EEC &

Directive 1999/45/EC

: not classified as dangerous for supply/use

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

: not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001

Book on "Safe Handling of Pigments", European Edition 1995, BCMA, EPSOM ETAD, VdMi

HSDB

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Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service



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Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Trade name : Momoiro Pink – ECC-01520
Relevant identified uses of the substance
or mixture and uses advised against : coloring agent
Uses advised against : not known
Details of the supplier of the safety
data sheet

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No.
1272/2008 (CLP) : not classified
According to Directive 67/548/EEC &
Directive 1999/45/EC : not classified
Additional information : not available

Label elements

GHS label elements : not applicable
Hazard pictogram(s) : not applicable
Signal word(s) : not applicable
Hazard statement(s) : not applicable
Precautionary statement(s) : not applicable
Other hazards : not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : Strontium aluminate-polyurethane-11-yellow 5-red 28 . Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition(%)	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP)
Strontium aluminate	12004-37-4	234-455-3		75-84	Not classified
Polyurethane-11	68258-82-2			14-25	Not classified
Yellow 5	12225-21-7	235-428-9	19140	0-1	Not classified



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According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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Red 28	18472-87-2	242-355-6	45410	0-1	Not classified
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4. FIRST AID MEASURES

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest
Skin contact : wash affected skin with plenty of water
Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention
Ingestion : if ingested, wash out mouth with water, drink milk or egg white
Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed

Acute : none
Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical
Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated
Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust
Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact
In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
Environmental precautions : do not allow to enter drains, sewers or watercourses
Methods and material for



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Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable

Reference to other sections : see sections 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Colour : Pink Orange

Odour : odourless

pH : not applicable

Boiling point, ° C : not applicable

Melting point, ° C : > 401.5°C

Flash point : not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : > 400°C

Vapour pressure : not applicable



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According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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Upper explosion limit	: not applicable
Lower explosion limit	: not applicable
Density	: 1.78 g/ml (20°C)
Bulk density	: not determined
Solubility (in water)	: 1002.e-3 g/l (zinc compound)
Explosive properties	: Product does not present an explosion hazard.
Oxidizing properties	: No information available.
Particle size	: 30-50µm

10. STABILITY AND REACTIVITY

Reactivity	: there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability	: stable under normal conditions
Possibility of hazardous reactions	: none
Conditions to avoid	: high temperature
Incompatible materials	: strongly acidic, strongly alkaline, oxidizing agents
Decomposition products	: no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity	: not available
Carcinogenicity	: not available

12. ECOLOGICAL INFORMATION

Toxicity	: no data
Persistence and degradability	: insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential	: no data
Mobility in soil	: not applicable
Results of PBT and vPvB assessment	: not applicable
Other adverse effects	: not known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	: dispose of contents in accordance with local, state or national legislation
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14. TRANSPORT INFORMATION

Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

15. REGULATORY INFORMATION

According to Directive 67/548/EEC &

Directive 1999/45/EC : not classified as dangerous for supply/use

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

: not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001

Book on "Safe Handling of Pigments", European Edition 1995, BCMA, EPSOM ETAD, VdMi

HSDB

NIOSH ICSC

Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service



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Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Trade name : Orenji Orange – ECC-01519

Relevant identified uses of the substance

or mixture and uses advised against : coloring agent

Uses advised against : not known

Details of the supplier of the safety
data sheet

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No.

1272/2008(CLP) : not classified

According to Directive 67/548/EEC &

Directive 1999/45/EC : not classified

Additional information : not available

Label elements

GHS label elements : not applicable

Hazard pictogram(s) : not applicable

Signal word(s) : not applicable

Hazard statement(s) : not applicable

Precautionary statement(s) : not applicable

Other hazards : not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : Strontium aluminate-polyurethane-11-yellow 5. Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition(%)	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008(CLP)
Strontium aluminate	12004-37-4	234-455-3		75-84	Not classified
Polyurethane-11	68258-82-2			15-26	Not classified
Yellow 5	12225-21-7	235-428-9	19140	0-1	Not classified



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www.eyecandypigments.com

According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

Date of issue : 07.09.2011 – Version : EU_EN/2 – Print date : February 2018

4. FIRST AID MEASURES

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest
Skin contact : wash affected skin with plenty of water
Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention
Ingestion : if ingested, wash out mouth with water, drink milk or egg white
Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed

Acute : none
Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical
Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated
Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust
Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact
In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
Environmental precautions : do not allow to enter drains, sewers or watercourses
Methods and material for
Containment and cleaning up : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable



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Reference to other sections : see sections 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Colour : Orange Yellow

Odour : odourless

pH : not applicable

Boiling point, ° C : not applicable

Melting point, ° C : > 401.5°C

Flash point : not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : > 400°C

Vapour pressure : not applicable

Upper explosion limit : not applicable

Lower explosion limit : not applicable



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Density	: 1.78 g/ml (20°C)
Bulk density	: not determined
Solubility (in water)	: 1002.e-3 g/l (zinc compound)
Explosive properties	: Product does not present an explosion hazard.
Oxidizing properties	: No information available.
Particle size	: 30-50µm

10. STABILITY AND REACTIVITY

Reactivity	: there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability	: stable under normal conditions
Possibility of hazardous reactions	: none
Conditions to avoid	: high temperature
Incompatible materials	: strongly acidic, strongly alkaline, oxidizing agents
Decomposition products	: no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity	: not available
Carcinogenicity	: not available

12. ECOLOGICAL INFORMATION

Toxicity	: no data
Persistence and degradability	: insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential	: no data
Mobility in soil	: not applicable
Results of PBT and vPvB assessment	: not applicable
Other adverse effects	: not known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	: dispose of contents in accordance with local, state or national legislation
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14. TRANSPORT INFORMATION



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Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

15. REGULATORY INFORMATION

According to Directive 67/548/EEC &

Directive 1999/45/EC

: not classified as dangerous for supply/use

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

: not available

16. OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001

Book on "Safe Handling of Pigments", European Edition 1995, BCMA, EPSOM ETAD, VdMi

HSDB

NIOSH ICSC

Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service



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We have described our product concerning possible safety requirements by the abovementioned information given to the best of our knowledge and experience. All data given are never meant to guarantee any quality description nor product properties



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Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Trade name : Shojin Blue – ECC-01511
Relevant identified uses of the substance
or mixture and uses advised against : colouring agent
Uses advised against : not known
Details of the supplier of the safety
data sheet

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No.
1272/2008 (CLP) : not classified
According to Directive 67/548/EEC &
Directive 1999/45/EC : not classified
Additional information : not available

Label elements

GHS label elements : not applicable
Hazard pictogram(s) : not applicable
Signal word(s) : not applicable
Hazard statement(s) : not applicable
Precautionary statement(s) : not applicable
Other hazards : not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family : zinc Sulfide. Contains no hazardous ingredients

Common chemical name	CAS No.	EINECS No.	Colour Index	Chemical composition(%)	Hazard classification According to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP)
Zinc sulfide	1314-98-3	215-251-3	77975	100	Not classified



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Description of first aid measures

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Ingestion : if ingested, wash out mouth with water, drink milk or egg white
Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed
Acute : none
Long term (repeated) : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
b. Lung functionality tests

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : extinguish with waterspray, foam or dry chemical
Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated
Advice for firefighters : fire fighters should wear complete protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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Reference to other sections : see sections 8 and 13



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7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

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Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Colour : Skye Blue

Odour : odourless

pH : not applicable

Boiling point, ° C : not applicable

Melting point, ° C : > 401.5°C

Flash point : not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : > 400°C

Vapour pressure : not applicable

Upper explosion limit : not applicable

Lower explosion limit : not applicable

Density : 1.78 g/ml (20°C)



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Bulk density : not determined
Solubility (in water) : 1002.e-3 g/l (zinc compound)
Explosive properties : Product does not present an explosion hazard.
Oxidizing properties : No information available.
Particle size : 35-45µm

10. STABILITY AND REACTIVITY

Reactivity : there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability : stable under normal conditions
Possibility of hazardous reactions : none
Conditions to avoid : high temperature
Incompatible materials : strongly acidic, strongly alkaline, oxidizing agents
Decomposition products : no information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity : not available
Carcinogenicity : not available

12. ECOLOGICAL INFORMATION

Toxicity : no data
Persistence and degradability : insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential : no data
Mobility in soil : not applicable
Results of PBT and vPvB assessment : not applicable
Other adverse effects : not known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods : dispose of contents in accordance with local, state or national legislation

14. TRANSPORT INFORMATION

Not classed as dangerous for transport.



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Directive 1999/45/EC : not classified as dangerous for supply/use

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