

# DEVELOPED TECHNOLOGIES

EU Safety Data Sheet according to attachment II EC Reg .1907/2006 (REACH)

## SAFETY DATA SHEET

Revision Date Feb 14, 2019

Note : Nonhazardous material, therefor it is not necessary to provide your with a safety data sheet according to Article 31 of the EC regulation 1907/2006 ( REACH ).

### 1. IDENTIFICATION OF THE SUBSTANCE /THE PRODUCT AND OF THE COMPANY

#### 1.1 Identification of the substance / the preparation / the product

Product Name & Code: FLUORO MOSAIC YELLOW 8716

#### 1.2 Application of the substance / the preparation / the product

Uses of the product : Decorative Applications.

#### 1.3 Company identification

Manufacturer/Supplier:

### 2. HAZARDS IDENTIFICATION

#### Possible dangers

2.1 **GHS/CLP- Classification:** Not a dangerous product according Globally Harmonized System (GHS) and CLP.

It does not have to be labeled according to European regulation (EC) No. 1272/2008

2.2 **Additional danger advice:** No health & environment risks are apparently known from This product .We, However, have no data available of chronic and skin irritating effects when physical contacts has occurred

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Chemical Characteristics

Description: Precision Cut Epoxy Coated Glitter

#### 3.2 Ingredients

COMPONENT	BY WEIGHT %	CAS No.
Polyethylene Terephthalate	93.5~96.5	25038-59-9
Epoxy copolymer	3.5~6.0	67924-34-9
Yellow colorant	0.3~0.6	PROPRIETARY
Chrome colorant	0.09~0.17	PROPRIETARY

#### 4. FIRST-AID MEASURES

- Following inhalation:** Take the person to fresh air, after inhalation of dust particles and in particular decomposition gases, to avoid from hypothermia. Place the person in a stabilized side position. Please contact a physician for treatments.
- Following skin contact:** Rinse with water over the affected areas of skin for at least 15min incase of contact with the melted product. Remove contaminated clothes. In case of burns, skin irritations or other symptoms please contact a physician.
- Following eye contact:** Do not rub in case of particles in the eye. Pleas remove particles carefully from the affected eye. Rinse eyes thoroughly with plenty of running water, but remove contact lenses prior to this. In case of irritations and other symptoms please contact your physician.
- Following swallowing:** Rinse mouth thoroughly and drink plenty of water. In case of indisposition and sickness call a physician.
- Advice to the physician:** No Toxic effects of the product itself except for thermal decomposition and fire are unknown. In case of any discomforts please treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:** Water spray, extinguishing foam, extinguishing powder, carbon dioxide.
- For safety reason unsuitable extinguishing agents:** Jet of water
- Special dangers:** Carbon monoxides (CO) and other toxic and flammable gases can be released.
- Special protective equipment:** An independent respiratory device (isolation device) should be used.
- Additional advice:** The product can ignite in case of fire and can burn outside of the source of ignition. Toxic flammable gases and vapours can be released through thermal decomposition. It is possible that flames can spread through spontaneous ignition of gaseous decomposition products. Cool the melted product with water. Collect the burn residues and water for firefighting compliance with the legal regulations

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal protection:** Avoid the buildup of dust. Do not inhale any dust. Keep sources of ignition away from the dust.
- Environmental measures:** Waste water must be mechanically cleaned from rest products prior to emptying into the sewer system.
- Cleaning procedures and absorption:** Dry absorption and if possible re-utilisation of the material.

## 7. HANDLING AND STORAGE

### 7.1 Handling

**Safety advice:** Avoid overheating through improper processing and dusting.

**Technical protective measures:** Local ventilation and airing guarantee, that all limits mentioned under point 8.1 are maintained.

**Fire and explosion protection information:** Keep away from sources of ignition.

### 7.2 Storage

**Requirements for Storage in rooms and containers:** No special storage necessary. However, store in a cool dry place, away from excessive heat or sources of ignition in tightly closed (original) containers.

**Additional details regarding Storage:** Protect from heat. Comply with the appropriate Regulations of the Company's fire prevention measure.

**Storage class:** LGK 11 (flammable solid materials)

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Exposure limits and monitoring in the workplace

**Respiratory protection:** Avoid dusting. Wear niosh/msha approved dust respirator when dispensing bulk into other containers. Use dust mask that conforms to EN 143 or a half mask with particle filter FFP1 or PP2 conforms to EN 141. Caution! Limited Wearing Period.

**Hand protection:** Impervious gloves recommended

**Eye protection:** Any approved chem workers goggles. Side-shielded safety goggles that conform to EN 166 are required when carrying out mechanical processing with exposure to dust.

**Body protection:** Generally, normal working clothes are sufficient.

**General work protection and hygiene measures:** Do not inhale dust. Avoid contact with eyes, skin and clothes. Do not eat, drink, smoke or snuff during work. Wash hands prior to breaks and after finishing work. Change soiled clothes. Protect skin by using e. g. skin lotions and -creams

### 8.2 Restrictions and monitoring of the environmental exposure

These products are not considered to be hazardous under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General details

Physical condition:	Solid
Shape:	Small particles in either rectangular, hexagonal or square shapes
Odour:	Odourless
Colour:	Various

## 9.2 Important details regarding health / environmental protection as well as safety

pH value:	Non-applicable
Heat Resistance:	175 °C
Melting point / melting range:	235-290 °C
Boiling point / boiling range:	Cannot be measured as decomposition occurs first
Flash Point:	Non-applicable
Ignition temperature:	>300°C
Self-ignition point (Solid/Gas):	Not self-igniting
Blaze properties:	None
Risk of explosion:	Possible dust- or decomposition gas explosion
Vapour pressure:	To be disregarded
Specific weight:	1.38kg/dm
Bulk density:	between 0.50 and 0.60kg/dm <sup>3</sup> - depending on particle size/gauge
Water solubility:	Insoluble in water
Partition coefficient n-Octanol/water	Non-applicable
Viscosity:	Non-applicable
Vapour density:	Non-applicable
Evaporation speed:	Non-applicable

## 9.3 Additional details

There are no further details required regarding safety-relevant parameters.

## 10. **STABILITY AND REACTIVITY**

It is recommended to carry out a trial run prior to processing the product.

### 10.1 Conditions to be avoided

Pyrolysis, dangerous decomposition products and dangerous reactions will not occur if the product is used as intended.

### 10.2 Substances to be avoided

Potent acids, bases and oxidation agents.

### 10.3 Dangerous decomposition products when heated

Oxides of Carbon (carbon dioxide, carbon monoxide), Hydrocarbons, Aldehydes

## 11. **TOXICOLOGICAL DATA**

There is no toxicological data available.

According to our knowledge, these products are not considered to be hazardous under normal conditions of use, If Inhaled or Ingested There are no known adverse effects to be expected, However, In The Event Of Accidental Exposure Always Seek Medical Attention.

## 12. **ECOLOGICAL INFORMATIONS**

There is no Eco toxicological data available.

According to our knowledge, these products are not expected to produce any adverse environmental effects.

## 13. **DISPOSAL INFORMATION**

No waste is produced from the product that would require special supervision according to the directive (EU) 1357/2014.

## 14. **TRANSPORT INFORMATIONS**

Non –hazardous materials in terms of ADR/GGVS, RID/GGVE, ICAO/IATA, IMDG.

**15. REGULATORY REGULATIONS**

**15.1 EU Regulations**

**Classification and labeling:** None in accordance to the regulation (EC) No. 1272/2008 (CLP) or in the accordance to any other known EU regulations.

**16. OTHER INFORMATION**

**16.1 Summary of the Risk -/Safety-Phrases**

R – Phrases

R10 Flammable

S-Phrases

S2 To be kept out of reach of children

S7/8 Keep container dry and tightly closed.

S43 To extinguish use dry powder. Do not use water.

**16.2 Further Information**

***Disclaimer:*** Our technical advice, information and statements – given verbally, in writing or in the form of test results – are offered for your guidance without warranty. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. This also applies where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our products.







# DEVELOPED TECHNOLOGIES

EU Safety Data Sheet according to attachment II EC Reg .1907/2006 (REACH)

## SAFETY DATA SHEET

Revision Date Feb 14, 2019

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### 1. IDENTIFICATION OF THE SUBSTANCE /THE PRODUCT AND OF THE COMPANY

#### 1.1 Identification of the substance / the preparation / the product

Product Name & Code: FLUORO MOSAIC GREEN 8718

#### 1.2 Application of the substance / the preparation / the product

Uses of the product : Decorative Applications.

### 2. HAZARDS IDENTIFICATION

#### Possible dangers

2.1 **GHS/CLP- Classification:** Not a dangerous product according Globally Harmonized System (GHS) and CLP.

It does not have to be labeled according to European regulation (EC) No. 1272/2008

2.2 **Additional danger advice:** No health & environment risks are apparently known from This product .We, However, have no data available of chronic and skin irritating effects when physical contacts has occurred

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Chemical Characteristics

Description: Precision Cut Epoxy Coated Glitter

#### 3.2 Ingredients

COMPONENT	BY WEIGHT %	CAS No.
Polyethylene Terephthalate	93.5~96.5	25038-59-9
Epoxy copolymer	3.5~6.0	67924-34-9
Green colorant	0.0842~0.18	PROPRIETARY
Yellow colorant	0.0225~1.470	PROPRIETARY
Royal Blue colorant	0.0004~0.0009	PROPRIETARY

#### 4. FIRST-AID MEASURES

- Following inhalation:** Take the person to fresh air, after inhalation of dust particles and in particular decomposition gases, to avoid from hypothermia. Place the person in a stabilized side position. Please contact a physician for treatments.
- Following skin contact:** Rinse with water over the affected areas of skin for at least 15min incase of contact with the melted product. Remove contaminated clothes. In case of burns, skin irritations or other symptoms please contact a physician.
- Following eye contact:** Do not rub in case of particles in the eye. Pleas remove particles carefully from the affected eye. Rinse eyes thoroughly with plenty of running water, but remove contact lenses prior to this. In case of irritations and other symptoms please contact your physician.
- Following swallowing:** Rinse mouth thoroughly and drink plenty of water. In case of indisposition and sickness call a physician.
- Advice to the physician:** No Toxic effects of the product itself except for thermal decomposition and fire are unknown. In case of any discomforts please treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:** Water spray, extinguishing foam, extinguishing powder, carbon dioxide.
- For safety reason unsuitable extinguishing agents:** Jet of water
- Special dangers:** Carbon monoxides (CO) and other toxic and flammable gases can be released.
- Special protective equipment:** An independent respiratory device (isolation device) should be used.
- Additional advice:** The product can ignite in case of fire and can burn outside of the source of ignition. Toxic flammable gases and vapours can be released through thermal decomposition. It is possible that flames can spread through spontaneous ignition of gaseous decomposition products. Cool the melted product with water. Collect the burn residues and water for firefighting compliance with the legal regulations

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal protection:** Avoid the buildup of dust. Do not inhale any dust. Keep sources of ignition away from the dust.
- Environmental measures:** Waste water must be mechanically cleaned from rest products prior to emptying into the sewer system.
- Cleaning procedures and absorption:** Dry absorption and if possible re-utilisation of the material.

## 7. HANDLING AND STORAGE

### 7.1 Handling

**Safety advice:** Avoid overheating through improper processing and dusting.

**Technical protective measures:** Local ventilation and airing guarantee, that all limits mentioned under point 8.1 are maintained.

**Fire and explosion protection information:** Keep away from sources of ignition.

### 7.2 Storage

**Requirements for Storage in rooms and containers:** No special storage necessary. However, Store in a cool dry place, away from excessive heat or sources of ignition in tightly closed (original) containers.

**Additional details regarding Storage:** Protect from heat. Comply with the appropriate Regulations of the Company's fire prevention measure.

**Storage class:** LGK 11 (flammable solid materials)

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Exposure limits and monitoring in the workplace

**Respiratory protection:** Avoid dusting. Wear niosh/msha approved dust respirator when dispensing bulk into other containers. Use dust mask that conforms to EN 143 or a half mask with particle filter FFP1 or PP2 conforms to EN 141. Caution! Limited Wearing Period.

**Hand protection:** Impervious gloves recommended

**Eye protection:** Any approved chem workers goggles. Side-shielded safety goggles that conform to EN 166 are required when carrying out mechanical processing with exposure to dust.

**Body protection:** Generally, normal working clothes are sufficient.

**General work protection and hygiene measures:** Do not inhale dust. Avoid contact with eyes, skin and clothes. Do not eat, drink, smoke or snuff during work. Wash hands prior to breaks and after finishing work. Change soiled clothes. Protect skin by using e. g. skin lotions and -creams

### 8.2 Restrictions and monitoring of the environmental exposure

These products are not considered to be hazardous under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General details

Physical condition:	Solid
Shape:	Small particles in either rectangular, hexagonal or square shapes
Odour:	Odourless
Colour:	Various

## 9.2 Important details regarding health / environmental protection as well as safety

pH value:	Non-applicable
Heat Resistance:	175 °C
Melting point / melting range:	235-290 °C
Boiling point / boiling range:	Cannot be measured as decomposition occurs first
Flash Point:	Non-applicable
Ignition temperature:	>300°C
Self-ignition point (Solid/Gas):	Not self-igniting
Blaze properties:	None
Risk of explosion:	Possible dust- or decomposition gas explosion
Vapour pressure:	To be disregarded
Specific weight:	1.38kg/dm
Bulk density:	between 0.50 and 0.60kg/dm <sup>3</sup> - depending on particle size/gauge
Water solubility:	Insoluble in water
Partition coefficient n-Octanol/water	Non-applicable
Viscosity:	Non-applicable
Vapour density:	Non-applicable
Evaporation speed:	Non-applicable

## 9.3 Additional details

There are no further details required regarding safety-relevant parameters.

## 10. **STABILITY AND REACTIVITY**

It is recommended to carry out a trial run prior to processing the product.

### 10.1 Conditions to be avoided

Pyrolysis, dangerous decomposition products and dangerous reactions will not occur if the product is used as intended.

### 10.2 Substances to be avoided

Potent acids, bases and oxidation agents.

### 10.3 Dangerous decomposition products when heated

Oxides of Carbon (carbon dioxide, carbon monoxide), Hydrocarbons, Aldehydes

## 11. **TOXICOLOGICAL DATA**

There is no toxicological data available.

According to our knowledge, these products are not considered to be hazardous under normal conditions of use, If Inhaled or Ingested There are no known adverse effects to be expected, However, In The Event Of Accidental Exposure Always Seek Medical Attention.

## 12. **ECOLOGICAL INFORMATIONS**

There is no Eco toxicological data available.

According to our knowledge, these products are not expected to produce any adverse environmental effects.

## 13. **DISPOSAL INFORMATION**

No waste is produced from the product that would require special supervision according to the directive (EU) 1357/2014.

**14. TRANSPORT INFORMATIONS**

Non –hazardous materials in terms of ADR/GGVS, RID/GGVE, ICAO/IATA, IMDG.

**15. REGULATORY REGULATIONS**

**15.1 EU Regulations**

**Classification and labeling:** None in accordance to the regulation (EC) No. 1272/2008 (CLP) or in the accordance to any other known EU regulations.

**16. OTHER INFORMATION**

**16.1 Summary of the Risk -/Safety-Phrases**

R – Phrases

R10 Flammable

S-Phrases

S2 To be kept out of reach of children

S7/8 Keep container dry and tightly closed.

S43 To extinguish use dry powder. Do not use water.

**16.2 Further Information**

***Disclaimer:*** Our technical advice, information and statements – given verbally, in writing or in the form of test results – are offered for your guidance without warranty. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. This also applies where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our products.







# AMERICAN GLITTERS,INC.

EU Safety Data Sheet according to attachment II EC Reg .1907/2006 (REACH)

## SAFETY DATA SHEET

Revision Date Feb 14, 2019

Note : Nonhazardous material, therefor it is not necessary to provide your with a safety data sheet according to Article 31 of the EC regulation 1907/2006 ( REACH ).

### 1. IDENTIFICATION OF THE SUBSTANCE /THE PRODUCT AND OF THE COMPANY

#### 1.1 Identification of the substance / the preparation / the product

Product Name & Code: FLUORO MOSAIC MAGENTA 8719

#### 1.2 Application of the substance / the preparation / the product

Uses of the product : Decorative Applications.

### 2. HAZARDS IDENTIFICATION

#### Possible dangers

2.1 **GHS/CLP- Classification:** Not a dangerous product according Globally Harmonized System (GHS) and CLP.

It does not have to be labeled according to European regulation (EC) No. 1272/2008

2.2 **Additional danger advice:** No health & environment risks are apparently known from This product .We, However, have no data available of chronic and skin irritating effects when physical contacts has occurred

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Chemical Characteristics

Description: Precision Cut Epoxy Coated Glitter

#### 3.2 Ingredients

COMPONENT	BY WEIGHT %	CAS No.
Polyethylene Terephthalate	93.5~96.5	25038-59-9
Epoxy copolymer	3.5~6.0	67924-34-9
Magenta colorant	0.133~0.28	PROPRIETARY
Red colorant	0.013~0.028	PROPRIETARY
Red glow Magenta	0.008~0.019	PROPRIETARY

#### 4. FIRST-AID MEASURES

- Following inhalation:** Take the person to fresh air, after inhalation of dust particles and in particular decomposition gases, to avoid from hypothermia. Place the person in a stabilized side position. Please contact a physician for treatments.
- Following skin contact:** Rinse with water over the affected areas of skin for at least 15min incase of contact with the melted product. Remove contaminated clothes. In case of burns, skin irritations or other symptoms please contact a physician.
- Following eye contact:** Do not rub in case of particles in the eye. Pleas remove particles carefully from the affected eye. Rinse eyes thoroughly with plenty of running water, but remove contact lenses prior to this. In case of irritations and other symptoms please contact your physician.
- Following swallowing:** Rinse mouth thoroughly and drink plenty of water. In case of indisposition and sickness call a physician.
- Advice to the physician:** No Toxic effects of the product itself except for thermal decomposition and fire are unknown. In case of any discomforts please treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:** Water spray, extinguishing foam, extinguishing powder, carbon dioxide.
- For safety reason unsuitable extinguishing agents:** Jet of water
- Special dangers:** Carbon monoxides (CO) and other toxic and flammable gases can be released.
- Special protective equipment:** An independent respiratory device (isolation device) should be used.
- Additional advice:** The product can ignite in case of fire and can burn outside of the source of ignition. Toxic flammable gases and vapours can be released through thermal decomposition. It is possible that flames can spread through spontaneous ignition of gaseous decomposition products. Cool the melted product with water. Collect the burn residues and water for firefighting compliance with the legal regulations

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal protection:** Avoid the buildup of dust. Do not inhale any dust. Keep sources of ignition away from the dust.
- Environmental measures:** Waste water must be mechanically cleaned from rest products prior to emptying into the sewer system.
- Cleaning procedures and absorption:** Dry absorption and if possible re-utilisation of the material.

## 7. HANDLING AND STORAGE

### 7.1 Handling

**Safety advice:** Avoid overheating through improper processing and dusting.

**Technical protective measures:** Local ventilation and airing guarantee, that all limits mentioned under point 8.1 are maintained.

**Fire and explosion protection information:** Keep away from sources of ignition.

### 7.2 Storage

**Requirements for Storage in rooms and containers:** No special storage necessary. However, Store in a cool dry place, away from excessive heat or sources of ignition in tightly closed (original) containers.

**Additional details regarding Storage:** Protect from heat. Comply with the appropriate Regulations of the Company's fire prevention measure.

**Storage class:** LGK 11 (flammable solid materials)

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Exposure limits and monitoring in the workplace

**Respiratory protection:** Avoid dusting. Wear niosh/msha approved dust respirator when dispensing bulk into other containers. Use dust mask that conforms to EN 143 or a half mask with particle filter FFP1 or PP2 conforms to EN 141. Caution! Limited Wearing Period.

**Hand protection:** Impervious gloves recommended

**Eye protection:** Any approved chem workers goggles. Side-shielded safety goggles that conform to EN 166 are required when carrying out mechanical processing with exposure to dust.

**Body protection:** Generally, normal working clothes are sufficient.

**General work protection and hygiene measures:** Do not inhale dust. Avoid contact with eyes, skin and clothes. Do not eat, drink, smoke or snuff during work. Wash hands prior to breaks and after finishing work. Change soiled clothes. Protect skin by using e. g. skin lotions and -creams

### 8.2 Restrictions and monitoring of the environmental exposure

These products are not considered to be hazardous under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General details

Physical condition:	Solid
Shape:	Small particles in either rectangular, hexagonal or square shapes
Odour:	Odourless
Colour:	Various

## 9.2 Important details regarding health / environmental protection as well as safety

pH value:	Non-applicable
Heat Resistance:	175 °C
Melting point / melting range:	235-290 °C
Boiling point / boiling range:	Cannot be measured as decomposition occurs first
Flash Point:	Non-applicable
Ignition temperature:	>300°C
Self-ignition point (Solid/Gas):	Not self-igniting
Blaze properties:	None
Risk of explosion:	Possible dust- or decomposition gas explosion
Vapour pressure:	To be disregarded
Specific weight:	1.38kg/dm
Bulk density:	between 0.50 and 0.60kg/dm <sup>3</sup> - depending on particle size/gauge
Water solubility:	Insoluble in water
Partition coefficient n-Octanol/water	Non-applicable
Viscosity:	Non-applicable
Vapour density:	Non-applicable
Evaporation speed:	Non-applicable

## 9.3 Additional details

There are no further details required regarding safety-relevant parameters.

## 10. **STABILITY AND REACTIVITY**

It is recommended to carry out a trial run prior to processing the product.

### 10.1 Conditions to be avoided

Pyrolysis, dangerous decomposition products and dangerous reactions will not occur if the product is used as intended.

### 10.2 Substances to be avoided

Potent acids, bases and oxidation agents.

### 10.3 Dangerous decomposition products when heated

Oxides of Carbon (carbon dioxide, carbon monoxide), Hydrocarbons, Aldehydes

## 11. **TOXICOLOGICAL DATA**

There is no toxicological data available.

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**14. TRANSPORT INFORMATIONS**

Non –hazardous materials in terms of ADR/GGVS, RID/GGVE, ICAO/IATA, IMDG.

**15. REGULATORY REGULATIONS**

**15.1 EU Regulations**

**Classification and labeling:** None in accordance to the regulation (EC) No. 1272/2008 (CLP) or in the accordance to any other known EU regulations.

**16. OTHER INFORMATION**

**16.1 Summary of the Risk -/Safety-Phrases**

R – Phrases

R10 Flammable

S-Phrases

S2 To be kept out of reach of children

S7/8 Keep container dry and tightly closed.

S43 To extinguish use dry powder. Do not use water.

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### 1. IDENTIFICATION OF THE SUBSTANCE /THE PRODUCT AND OF THE COMPANY

#### 1.1 Identification of the substance / the preparation / the product

Product Name & Code: FLUORO MOSAIC ORANGE 8715

#### 1.2 Application of the substance / the preparation / the product

Uses of the product : Decorative Applications.

#### 1.3 Company identification

### 2. HAZARDS IDENTIFICATION

#### Possible dangers

2.1 **GHS/CLP- Classification:** Not a dangerous product according Globally Harmonized System (GHS) and CLP.

It does not have to be labeled according to European regulation (EC) No. 1272/2008

2.2 **Additional danger advice:** No health & environment risks are apparently known from This product .We, However, have no data available of chronic and skin irritating effects when physical contacts has occurred

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Chemical Characteristics

Description: Precision Cut Epoxy Coated Glitter

#### 3.2 Ingredients

COMPONENT	BY WEIGHT %	CAS No.
Polyethylene Terephthalate	93.5~96.5	25038-59-9
Epoxy copolymer	3.5~6.0	67924-34-9
Orange colorant	0.23~0.5	PROPRIETARY
Red colorant	0.0125~0.02	PROPRIETARY
Red glow red	0.008~0.019	PROPRIETARY

#### 4. FIRST-AID MEASURES

- Following inhalation:** Take the person to fresh air, after inhalation of dust particles and in particular decomposition gases, to avoid from hypothermia. Place the person in a stabilized side position. Please contact a physician for treatments.
- Following skin contact:** Rinse with water over the affected areas of skin for at least 15min incase of contact with the melted product. Remove contaminated clothes. In case of burns, skin irritations or other symptoms please contact a physician.
- Following eye contact:** Do not rub in case of particles in the eye. Pleas remove particles carefully from the affected eye. Rinse eyes thoroughly with plenty of running water, but remove contact lenses prior to this. In case of irritations and other symptoms please contact your physician.
- Following swallowing:** Rinse mouth thoroughly and drink plenty of water. In case of indisposition and sickness call a physician.
- Advice to the physician:** No Toxic effects of the product itself except for thermal decomposition and fire are unknown. In case of any discomforts please treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:** Water spray, extinguishing foam, extinguishing powder, carbon dioxide.
- For safety reason unsuitable extinguishing agents:** Jet of water
- Special dangers:** Carbon monoxides (CO) and other toxic and flammable gases can be released.
- Special protective equipment:** An independent respiratory device (isolation device) should be used.
- Additional advice:** The product can ignite in case of fire and can burn outside of the source of ignition. Toxic flammable gases and vapours can be released through thermal decomposition. It is possible that flames can spread through spontaneous ignition of gaseous decomposition products. Cool the melted product with water. Collect the burn residues and water for firefighting compliance with the legal regulations

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal protection:** Avoid the buildup of dust. Do not inhale any dust. Keep sources of ignition away from the dust.
- Environmental measures:** Waste water must be mechanically cleaned from rest products prior to emptying into the sewer system.
- Cleaning procedures and absorption:** Dry absorption and if possible re-utilisation of the material.

## 7. HANDLING AND STORAGE

### 7.1 Handling

**Safety advice:** Avoid overheating through improper processing and dusting.

**Technical protective measures:** Local ventilation and airing guarantee, that all limits mentioned under point 8.1 are maintained.

**Fire and explosion protection information:** Keep away from sources of ignition.

### 7.2 Storage

**Requirements for Storage in rooms and containers:** No special storage necessary. However, Store in a cool dry place, away from excessive heat or sources of ignition in tightly closed (original) containers.

**Additional details regarding Storage:** Protect from heat. Comply with the appropriate Regulations of the Company's fire prevention measure.

**Storage class:** LGK 11 (flammable solid materials)

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Exposure limits and monitoring in the workplace

**Respiratory protection:** Avoid dusting. Wear niosh/msha approved dust respirator when dispensing bulk into other containers. Use dust mask that conforms to EN 143 or a half mask with particle filter FFP1 or PP2 conforms to EN 141. Caution! Limited Wearing Period.

**Hand protection:** Impervious gloves recommended

**Eye protection:** Any approved chem workers goggles. Side-shielded safety goggles that conform to EN 166 are required when carrying out mechanical processing with exposure to dust.

**Body protection:** Generally, normal working clothes are sufficient.

**General work protection and hygiene measures:** Do not inhale dust. Avoid contact with eyes, skin and clothes. Do not eat, drink, smoke or snuff during work. Wash hands prior to breaks and after finishing work. Change soiled clothes. Protect skin by using e. g. skin lotions and -creams

### 8.2 Restrictions and monitoring of the environmental exposure

These products are not considered to be hazardous under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General details

Physical condition:	Solid
Shape:	Small particles in either rectangular, hexagonal or square shapes
Odour:	Odourless
Colour:	Various

## 9.2 Important details regarding health / environmental protection as well as safety

pH value:	Non-applicable
Heat Resistance:	175 °C
Melting point / melting range:	235-290 °C
Boiling point / boiling range:	Cannot be measured as decomposition occurs first
Flash Point:	Non-applicable
Ignition temperature:	>300°C
Self-ignition point (Solid/Gas):	Not self-igniting
Blaze properties:	None
Risk of explosion:	Possible dust- or decomposition gas explosion
Vapour pressure:	To be disregarded
Specific weight:	1.38kg/dm
Bulk density:	between 0.50 and 0.60kg/dm <sup>3</sup> - depending on particle size/gauge
Water solubility:	Insoluble in water
Partition coefficient n-Octanol/water	Non-applicable
Viscosity:	Non-applicable
Vapour density:	Non-applicable
Evaporation speed:	Non-applicable

## 9.3 Additional details

There are no further details required regarding safety-relevant parameters.

## 10. **STABILITY AND REACTIVITY**

It is recommended to carry out a trial run prior to processing the product.

### 10.1 Conditions to be avoided

Pyrolysis, dangerous decomposition products and dangerous reactions will not occur if the product is used as intended.

### 10.2 Substances to be avoided

Potent acids, bases and oxidation agents.

### 10.3 Dangerous decomposition products when heated

Oxides of Carbon (carbon dioxide, carbon monoxide), Hydrocarbons, Aldehydes

## 11. **TOXICOLOGICAL DATA**

There is no toxicological data available.

According to our knowledge, these products are not considered to be hazardous under normal conditions of use, If Inhaled or Ingested There are no known adverse effects to be expected, However, In The Event Of Accidental Exposure Always Seek Medical Attention.

## 12. **ECOLOGICAL INFORMATIONS**

There is no Eco toxicological data available.

According to our knowledge, these products are not expected to produce any adverse environmental effects.

## 13. **DISPOSAL INFORMATION**

No waste is produced from the product that would require special supervision according to the directive (EU) 1357/2014.

**14. TRANSPORT INFORMATIONS**

Non –hazardous materials in terms of ADR/GGVS, RID/GGVE, ICAO/IATA, IMDG.

**15. REGULATORY REGULATIONS**

**15.1 EU Regulations**

**Classification and labeling:** None in accordance to the regulation (EC) No. 1272/2008 (CLP) or in the accordance to any other known EU regulations.

**16. OTHER INFORMATION**

**16.1 Summary of the Risk -/Safety-Phrases**

R – Phrases

R10 Flammable

S-Phrases

S2 To be kept out of reach of children

S7/8 Keep container dry and tightly closed.

S43 To extinguish use dry powder. Do not use water.

**16.2 Further Information**

***Disclaimer:*** Our technical advice, information and statements – given verbally, in writing or in the form of test results – are offered for your guidance without warranty. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. This also applies where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our products.







# DEVELOPED TECHNOLOGIES

EU Safety Data Sheet according to attachment II EC Reg .1907/2006 (REACH)

## SAFETY DATA SHEET

Revision Date Feb 14, 2019

Note : Nonhazardous material, therefor it is not necessary to provide your with a safety data sheet according to Article 31 of the EC regulation 1907/2006 ( REACH ).

### 1. IDENTIFICATION OF THE SUBSTANCE /THE PRODUCT AND OF THE COMPANY

#### 1.1 Identification of the substance / the preparation / the product

Product Name & Code: FLUORO MOSAIC PINK 8717

#### 1.2 Application of the substance / the preparation / the product

Uses of the product : Decorative Applications.

#### 1.3 Company identification

1.4

### 2. HAZARDS IDENTIFICATION

#### Possible dangers

2.1 **GHS/CLP- Classification:** Not a dangerous product according Globally Harmonized System (GHS) and CLP.

It does not have to be labeled according to European regulation (EC) No. 1272/2008

2.2 **Additional danger advice:** No health & environment risks are apparently known from This product .We, However, have no data available of chronic and skin irritating effects when physical contacts has occurred

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Chemical Characteristics

Description: Precision Cut Epoxy Coated Glitter

#### 3.2 Ingredients

COMPONENT	BY WEIGHT %	CAS No.
Polyethylene Terephthalate	93.5~96.5	25038-59-9
Epoxy copolymer	3.5~6.0	67924-34-9
Magenta colorant	0.02~0.04	PROPRIETARY
Pink colorant	0.12~0.26	PROPRIETARY
Red colorant	0.066~0.14	PROPRIETARY

#### 4. FIRST-AID MEASURES

- Following inhalation:** Take the person to fresh air, after inhalation of dust particles and in particular decomposition gases, to avoid from hypothermia. Place the person in a stabilized side position. Please contact a physician for treatments.
- Following skin contact:** Rinse with water over the affected areas of skin for at least 15min incase of contact with the melted product. Remove contaminated clothes. In case of burns, skin irritations or other symptoms please contact a physician.
- Following eye contact:** Do not rub in case of particles in the eye. Pleas remove particles carefully from the affected eye. Rinse eyes thoroughly with plenty of running water, but remove contact lenses prior to this. In case of irritations and other symptoms please contact your physician.
- Following swallowing:** Rinse mouth thoroughly and drink plenty of water. In case of indisposition and sickness call a physician.
- Advice to the physician:** No Toxic effects of the product itself except for thermal decomposition and fire are unknown. In case of any discomforts please treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Water spray, extinguishing foam, extinguishing powder, carbon dioxide.

**For safety reason unsuitable extinguishing agents:** Jet of water

**Special dangers:** Carbon monoxides (CO) and other toxic and flammable gases can be released.

**Special protective equipment:** An independent respiratory device (isolation device) should be used.

**Additional advice:** The product can ignite in case of fire and can burn outside of the source of ignition. Toxic flammable gases and vapours can be released through thermal decomposition. It is possible that flames can spread through spontaneous ignition of gaseous decomposition products. Cool the melted product with water. Collect the burn residues and water for firefighting compliance with the legal regulations

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal protection:** Avoid the buildup of dust. Do not inhale any dust. Keep sources of ignition away from the dust.

**Environmental measures:** Waste water must be mechanically cleaned from rest products prior to emptying into the sewer system.

**Cleaning procedures and absorption:** Dry absorption and if possible re-utilisation of the material.

## 7. HANDLING AND STORAGE

### 7.1 Handling

**Safety advice:** Avoid overheating through improper processing and dusting.

**Technical protective measures:** Local ventilation and airing guarantee, that all limits mentioned under point 8.1 are maintained.

**Fire and explosion protection information:** Keep away from sources of ignition.

### 7.2 Storage

**Requirements for Storage in rooms and containers:** No special storage necessary. However, store in a cool dry place, away from excessive heat or sources of ignition in tightly closed (original) containers.

**Additional details regarding Storage:** Protect from heat. Comply with the appropriate Regulations of the Company's fire prevention measure.

**Storage class:** LGK 11 (flammable solid materials)

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Exposure limits and monitoring in the workplace

**Respiratory protection:** Avoid dusting. Wear niosh/msha approved dust respirator when dispensing bulk into other containers. Use dust mask that conforms to EN 143 or a half mask with particle filter FFP1 or PP2 conforms to EN 141. Caution! Limited Wearing Period.

**Hand protection:** Impervious gloves recommended

**Eye protection:** Any approved chem workers goggles. Side-shielded safety goggles that conform to EN 166 are required when carrying out mechanical processing with exposure to dust.

**Body protection:** Generally, normal working clothes are sufficient.

**General work protection and hygiene measures:** Do not inhale dust. Avoid contact with eyes, skin and clothes. Do not eat, drink, smoke or snuff during work. Wash hands prior to breaks and after finishing work. Change soiled clothes. Protect skin by using e. g. skin lotions and -creams

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S-Phrases

S2 To be kept out of reach of children

S7/8 Keep container dry and tightly closed.

S43 To extinguish use dry powder. Do not use water.

**16.2 Further Information**

For more information contact product safety at

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