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1.	Taer	ITITIC	ation	OT	Su	DSTA	псе

Product Name:

Trade Name:

Coloured Thermographic Powders (All Grades)

Supplier Name:

Address:

Telephone Number:

Fax Number:

2. Hazards Identification

Most important hazards:

Low Hazard for usual Industrial or Commercial

Handling

Specific Hazards:

R38 - Irritating to Skin

R34 - When Molten may cause Burns

3. Composition/Information of Ingredients

Chemical nature of preparation:

Polyamide Resin CAS-No 68154-52-9

Fatty Acids, C18-unsatd, dimers, polymers with

azelaic acid, ethylenediamine,

hexamethylenediamine, stearic acid coloured pigment

CAS-No. Proprietary Concentration <2%

4. First Aid Measures

Inhalation: Eye contact: Remove to fresh air & seek medical advice

Wash with plenty of water for at least 15 mins and

seek medical advice

Skin contact:

Wash skin with plenty of soap and water. If Molten

cool with water. Do not attempt to remove or use

solvents. Seek urgent medical advice.

Ingestion:

Do not induce vomiting. Never give anything by

mouth to an unconscious person. Seek urgent medical

advice.

5. Fire Fighting Measures

Unusual Fire & Explosion Hazards Toxic Vapours (such as Carbon Monoxide) may release during fire, respiratory protection should be provided. Material must be exposed to relatively high

temperatures before ignition can occur.

Suitable extinguishing media:

Water, Foam Carbon Dioxide or Dry powder

6. Accidental Release Measures

Personal precautions:

Environmental precautions:

Avoid Breathing vapours

Prevent it entering drains. This material is not a

Hazardous waste.

Methods for cleaning up:

Sweep material and reuse if possible, otherwise deposit in a waste container. Dispose of in accordance with local non-hazardous waste disposal regulations.

7. Handling and Storage

Handling:

Do not Eat, drink or smoke while handling. Avoid contact with Skin, eyes and clothes. Wear gloves & goggles when working with this material. Avoid contact with molten product and wear clothing to protect exposed skin.

Storage:

Store at room temperature in original containers.

Cardboard, tins or polythene containers.

8. Exposure Controls/Personal Protection

Personal protection equipment:

Wear gloves & goggles when working with this

material

Respiratory protection:

Engineering Measures:

Eye Protection:

Skin and body protection:

Hygiene measures:

Goggles should be worn

Gloves should be worn

Use in a well-ventilated area

Provide adequate ventilation

Keep away from food and drink. Avoid contact with skin and eyes. Wash hands before breaks and at the

end of the day.

9. Physical and Chemical Properties

Appearance:

Odour:

Coloured Powder little Intrinsic Odour

Melting point/range: Vapour pressure (20°C): +115 C

1 Mb

Solubility in Water: Reactivity with water Negligible (<0.1%)

Specific gravity (20°C) **Evaporation Rate**

None

< 0.98 (water = 1) Approx 0 (nBuAc=1)

10.Stability and Reactivity

Stability:

Stable, even under fire exposure conditions, and is

not reactive with water

Hazardous Polymerisation:

Hazardous decomposition

Products:

Will not occur

Not known

11.Toxicological Information

Eves: Skin:

Ingestion:

Acute Oral toxicity

Burning, itching and redness Itching, redness and dryness May cause nausea and vomiting LD50 > 5000 mg/kg body weight

12. Ecological Information

There is no data available but do not allow it to enter drains or watercourses

13. Disposal Considerations

In accordance with local and national considerations

14. Transport Information

General Information:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR, CFR and TDG

The transport information provided represents the regulatory transport classification of The product without consideration to packaging, quantity, or model restrictions and exceptions. It is the user's responsibility to determine the appropriate packaging and Modal Requirements and/or limitations for the product quantity being shipped

15.Regulatory Information

Users must make their own assessment of the risk encountered in their own individual workplace. The information contained in the data sheet will provide the basic information to undertake these assessments.

TSCA Inventory Status:

This product and/or all of its components are either included on or exempt from the TSCA Inventory of

the Chemical Substance

SARA 311/312

Hazardouse catagories:

TSCA 12(b) Components: SARA 313 Toxic Chemicals SARA 302 Extremely hazardous

Substances

CERCLA hazardous Chemicals:

N/A

N/A

N/A

N/A N/A

16.0ther Information

The information in this sheet is based on current state of knowledge

This product should not be used for any other purpose than as specified in section 1 None of the materials known to be contained in this product are known to Powder Arts to be carcinogenic.

The information relates to the specific product designated and may not be valid if it is used

Revised 07/10/2016

1. Identification of Substance

Product Name:

Premix Hiflo Gloss 614 / Crystalina H322

.008 - 41

Supplier Name:

Address:

Telephone Number:

Fax Number:

2. Hazards Identification

Most important hazards:

Low Hazard for usual industrial or commercial

handling

Specific Hazards:

R38 - Irritating to skin.

EU Classification

Regulation No 1272/2008

Non-Hazardous

Directive 67/548/EEC

Non-Hazardous

Directive 1999/45/EEC

Not a Hazardous Substance or mixture

EU Labelling

Regulation No 1272/2008

Does not need to be labelled in accordance with CLP

Precautionary Statements

Do not handle until entire SDS has been read and

understood

P202

3. Composition/Information of Ingredients

Key Ingredients

Polyester

Polyurethane

Target %

CAS# 25038-59-9

70.00

9051-89-2

Chemical Composition:

Polyamid Resin CAS-No. 68154-52-9

Fatty acids, C18-unsatd., dimers, polymers with

azelaic acid, ethylenediamine, hexamethylenediamine,

stearic acid

R34 - When Molten may cause burns

4. First Aid Measures

Inhalation: Remove to fresh air and seek medical Advice

Skin contact: If signs of irritation appear, wash skin with plenty of

soap & water. If Molten, cool with water. Do not attempt to remove or use solvents. Seek urgent

medical advice.

Eye contact: In case of contact, immediately flush eyes with plenty

of water for at least 15 minutes and seek medical

advice.

Ingestion: Do not induce vomiting. Never give anything by

mouth to an unconscious person. Seek urgent medical

advice.

Other Notes: Treat Per Symptoms

General Advice: Wear protective equipment during processing and

handling

5. Fire Fighting Measures

Unsuitable extinguishing media: No Data

Suitable extinguishing media: Dry Chemical, CO2, Water, Foam

Unusual Fire & Explosion Hazards: Toxic vapours, (such as carbon monoxide) may be

released during fire, respiratory protection should be provided. Material must be exposed to relatively high

ambient temperatures before ignition can occur.

Special Protective Equipment: As required by local regulations

6. Accidental Release Measures

Personal precautions: Use personal protective equipment and avoid

breathing vapours

Environmental precautions: Do not flush into sewers or introduce into waterways

Methods for cleaning up: Disposal of Industrial Waste as per local regulations.

7. Handling and Storage

Storage:

Handling: Wear protective work clothing, gloves and safety

goggles. Do not eat drink or smoke while handling Store in a cool dry place in original containers with

adequate ventilation.

8. Exposure Controls/Personal Protection

Personal protection equipment: Wear both Gloves and goggles when working with this

material

Respiratory protection: Use a well-ventilated area and wear a dust mask

Page 2 of 5

Skin & Body protection:

Gloves should be worn, long sleeved clothing and

sensible shoes

Eye Protection:

Goggles should be worn

Hygiene measures:

Normal industrial hygiene procedures should be observed.

9. Physical And Chemical Properties

State Solid Appearance Flakes

ColourMulti Colour White UndertoneOdourCharacteristics of ResinOdourThreshold No Data

PH No Data

Melting point +115C (Initial Glass Transition)

Boiling point No Data Flash point No Data

Evaporation Rate Approx 0 (nBuAc=1)

Flammability
No Data
Vapour pressure 20C
1Mb
Vapour Density
No Data

Specific Gravity 1.3, 0.98 (water = 1)

Solubility Slight in water and organic solvent

Partition Coefficient
Autoignition temperature
No Data
Decomposition temperature
Viscosity
No risk
Bulk Density
N/A
Molecular Weight
N/A

10.Stability And Reactivity

Stability:

Materials to avoid:

Hazardous decomposition

products:

Stable under normal conditions Acides, Alkalis and strong oxidisers

Smoke/gases - Carbon monoxide/hydrocarbons

Other known hazards:

Dense black smoke when burned with sufficient

oxygen

11.Toxicological Information

Routes of ExposureEye Contact, Skin Contact, InhalationAcute ToxicityLD50 > 5000 mg/kg body weightOralMay cause nausea and vomitingSkinItching, Redness and dryness

Eyes Burning, Itching, redness

Respiratory Irritant, Decomposition vapours may cause

adverse effects

Dermal SensitisationNo DataCarcinogenicityNo DataMutagenicityNo DataReproductive ToxicityNo Data

Specific Organ Toxicity Single Exposure No Data

Repeat Exposure

No Data

Aspiration Hazard

No Data

12. Ecological Information

Ecotoxicological DataNo DataEnvironmental EffectsNo DataDegradabilityNo DataBioaccumulationNo DataMobilityInsoluble

Other Not expected to produce adverse environmental

effects

13. Disposal Considerations

In accordance with local and national considerations

14.Transport Information

General Information:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR, CFR and TDG.

The transport information provided represents the regulatory transport classification of the product without consideration to packaging, quantity, or modal restrictions and exceptions. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped.

15. Regulatory Information

Inventory Status of Components

TSCA Listed or exempt
DSL Listed or exempt
NDSL Not Listed

EINECS Listed or exempt

All others Unknown

USA Management Information for Product

SARA Not reportable
OSHA Not regulated
CERCLA Not regulated
EPCRA Not regulated

Risk Phrases R-22 Harmful if Swallowed

R-36/37 Irritating to eyes and respiratory

system (section 2,10,11)

Safety Phrases S-20 When handling do not eat or drink

S-22 Do not breathe dust S-25 Avoid contact with eyes

S-26 In case of contact with eyes, rinse with

water and seek medical advice

California Proposition 65: No California Proposition 65 listed chemicals

are known to be present.

Users must make their own assessment of the risk encountered in their own individual workplace. The information contained in the data sheet will provide the basic information to undertake these assessments.

16.Other Information

Recommended use

Supplied for use in thermography, a print finishing process

This information relates only to the material designated herein and does not apply to use in combination with any other materials or in any other process. The information is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.

SAFETY DATA SHEET compiled according to 1907/2006/EC, 1272/2008/EC, 67/548/EEC, 1999/45/EC. The information and recommendations contained herein are based on current available data and believed to be accurate and given in good faith; Powder Arts Thermography Warehouse Ltd makes no warranty, either express or implied, including fitness and merchantability. Users should consider this data only as a supplement to other information available from all sources, and should incorporate these into programs for the proper use and disposal of these materials and the health and safety of employees and customers.

Nov 2017

1. Identification of Substance	
Product Name:	Metallic Thermography Powder
Supplier Name:	
Address:	t
Telephone Number: Fax Number:	
2. Hazards Identification	
Most important hazards: Specific Hazards:	No hazard deemed to be of major importance None Known
3. Composition/Information of Ing	redients
Chemical nature of preparation:	Dimer acid based polyamide 99.5%
4. First Aid Measures	
Inhalation: Skin contact: Eye contact: Ingestion:	Remove to fresh air Wash with soap and water Irrigate with water. If symptoms persist – seek medical attention Drink plenty of water - seek medical attention
5. Fire Fighting Measures	
	Combustion only takes place at high temperatures. Use extinguishing measures suitable for the environment.

Suitable extinguishing media:

Chemical, CO², Water

6. Accidental Release Measures

Personal precautions:

Environmental precautions:

Methods for cleaning up:

Use personal protective equipment No special precautions required

Pick up spilled material, containerise. Vacuum or flush

with water to remove residue. If spilled, may result in slippery conditions. Should be cleaned up

immediately.

7. Handling And Storage

Handling:

No special technical measures or handling advice

required.

Storage:

Store at room temperature in original containers . Store at room temperature in original containers.

Cardboard, tins or polythene containers.

8. Exposure Controls/Personal Protection

Personal protection equipment:

Respiratory protection:

Hand protection: Eye Protection:

Skin and body protection:

Hygiene measures:

N/A

Not required Not required

Not required Not required

Keep away from food and drink. Avoid contact with

skin and eyes. Wash hands before breaks and at the

end of the day.

9. Physical And Chemical Properties

Appearance:

Odour:

PH:

Boiling point/range: Melting point/range:

Flash point:

Autoignition temperature:

Explosion limits: Vapour pressure (20°C):

Specific gravity (20°C)

Coloured particulate Very mild, resinous

N/A

N/A 110°C = 125°C

> 100°C

N/A

No risk N/A

N/A

10.Stability And Reactivity

Stability:

Materials to avoid:

Hazardous decomposition

products:

Stable under normal conditions

N/A

None under normal use

11.Toxicological Information

Eyes:

May cause irritation

Skin:

Prolonged contact may cause irritation

Inhalation:

May cause irritation

Ingestion:

Possible irritation of susceptible persons

Acute toxicity

N/A

12.Ecological Information	
	Information under review
13.Disposal Considerations	
	In accordance with local and national considerations
14.Transport Information	
	Not classified as hazardous
15.Regulatory Information	
Contains:	
Symbols:	N/A
R-phases:	N/A
S-phases:	N/A

Users must make their own assessment of the risk encounted in their own individual workplace. The information contained in the data sheet will provide the basic information to undertake these assessments.

16.Other Information

Recommended use:

For thermography, a print finishing process

HS (harmonize system) No.:

39089000010

This information relates only to the material designated herein and does not apply to use in combination with any other materials or in any other process. The information is not to be considered as a warranty quality specification and we assume no liability in connection with its use.

Dated 13.02.2017

1. Identification of Substance	
Product Name:	Pearlescent & Non-Metallic Thermography Powder
Supplier Name:	
Address:	
€.	
	*
Telephone Number:	
Fax Number:	
2. Hazards Identification	
Most important hazards: Specific Hazards:	No hazard deemed to be of major importance None Known
3. Composition/Information of Ing	gredients
Chemical nature of preparation:	Dimer acid based polyamide 99.4% Zinc Sterate 0.3% Pigments 0.3%
4. First Aid Measures	
Inhalation:	Remove to fresh air
Skin contact:	Wash with soap and water
Eye contact:	Irrigate with water. If symptoms persist – seek medical attention
Ingestion:	Drink plenty of water - seek medical attention
5. Fire Fighting Measures	

Combustion only takes place at high temperatures. Use extinguishing measures suitable for the environment.

Suitable extinguishing media:

Chemical, CO2, Water

6. Accidental Release Measures

Personal precautions:

Environmental precautions:

Methods for cleaning up:

Use personal protective equipment

No special precautions required

Pick up spilled material, containerise. Vacuum or flush with water to remove residue. If spilled, may result in

slippery conditions. Should be cleaned up

immediately.

7. Handling and Storage

Handling:

No special technical measures or handling advice

required.

Storage:

Store at room temperature in original containers . Store at room temperature in original containers.

Cardboard, tins or polythene containers.

8. Exposure Controls/Personal Protection

Personal protection equipment:

Respiratory protection:

Hand protection: Eye Protection:

Skin and body protection:

Hygiene measures:

Not required Not required

Not required Not required

Keep away from food and drink. Avoid contact with skin and eyes. Wash hands before breaks and at the

end of the day.

9. Physical And Chemical Properties

Appearance:

Odour:

Very mild, resinous

PH: Boiling point/range:

Melting point/range:

Flash point: **Autoignition temperature:**

Explosion limits:

Vapour pressure (20°C): Specific gravity (20°C)

Colourless particulate

N/A N/A

110°C - 125°C > 100°C

N/A No risk N/A

10.Stability And Reactivity

Stability:

Materials to avoid:

Hazardous decomposition

products:

Stable under normal conditions

N/A

N/A

None under normal use

11.Toxicological Information

Eyes:

May cause irritation

Skin:

Prolonged contact may cause irritation

Inhalation:

May cause irritation

Ingestion: Acute toxicity

Possible irritation of susceptible persons

N/A

12.	Ecolo	gical	Inform	ation

Information under review

13. Disposal Considerations

In accordance with local and national considerations

14.Transport Information

Not classified as hazardous

15. Regulatory Information

Contains: Symbols: R-phases:

S-phases:

N/A

N/A N/A

Users must make their own assessment of the risk encountered in their own individual workplace. The information contained in the data sheet will provide the basic information to undertake these assessments.

16.Other Information

Recommended use:

For thermography, a print finishing process

HS (harmonize system) No.:

39089000010

This information relates only to the material designated herein and does not apply to use in combination with any other materials or in any other process. The information is not to be considered as a warranty quality specification and we assume no liability in connection with its use.

December 2017

1 - Product Identification	
Product Name:	
Manufacturer / Supplier:	K40
Address:	9
Telephone:	
Fax:	
2. Hazard Identification	
Most Important Hazard:	R38 - Irritating to skin.
	R34 - When Molten may cause burns
3. Composition / Information on Ingre	edients
Chemical Composition:	Proprietary mix of Thermography Powder & Polyester / Copolyester shapes
	No hazardous materials present as defined by Chemicals (Hazard Information and Packaging) Regulations (CHIP).
Substance:	Polyethylene Terephthalate
CAS Number:	25038-91-9 or 25640-14-6
Percentage:	Percentage Varies with Mix but no more than 17.5%
Substance:	Acrylates Co-polymer
CAS Number:	Proprietary
Percentage:	Percentage Varies with Mix but no more than 7.5%

c.,	£.			
Su	09	па	nc	e:

Amorphous Silica

CAS Number:

63231-67-4

Percentage:

Percentage Varies with Mix but no more than 0.025%

4. First Aid Measures

Inhalation:

Not required

Eyes:

Immediately flush eyes with plenty of water for 10 minutes.

Skin:

Wash skin with plenty of soap & water.

Ingestion:

Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek urgent medical advice.

5. Fire Fighting Measures

Extinguishing Media:

Water, Foam, Carbon Dioxide, or Dry Powder

Unusual Fire and Explosion Hazards:

Dense black smoke is emitted when burned without sufficient oxygen. Toxic vapours, (such as carbon monoxide) may be released during fire, respiratory protection should be provided. Material must be exposed to high ambient temperatures before ignition can occur. Wear protective, pressure, self-contained breathing apparatus for all fires.

6. Accidental Release Measures

Environmental Precautions:

Prevent it entering drains. This material is not a hazardous

waste.

Methods for Cleaning:

Sweep material and reuse of possible, otherwise deposit in a waste container. Dispose of in accordance with local non-

hazardous waste disposal regulations.

7. Handling and Storage

Handling Precautions: Do not eat, drink or smoke whilst handling.

Wear gloves and goggles when working with this material.

Storage Practice and Conditions: The product is packed in tins or cardboard boxes.

The product should be stored in their original packing in a dry

atmosphere. No special precautions are necessary.

Indefinite shelf life in natural state.

8. Exposure Control & Personal Protection

Engineering Measures: Provide adequate ventilation.

Exposure Limits: Amorphous Silica Dust 10mg/m³

Personal Protection Equipment: Wear gloves and goggles when working with this material.

Hygiene Measures: Normal industrial hygiene procedures should be observed.

Skin: Gloves should be worn for the comfort of employees.

Eyes: Safety goggles should be used for the comfort of employees.

Respiratory System: Use in a well-ventilated area otherwise use an approved dust

respirator.

9. Physical & Chemical Properties

Appearance: Coloured Powder mixed with Iridescent Coloured Film

Particles

Odour: Slight Amine Odour.

Boiling Point: + 200 C

Melting Point: + 115 C

Vapour Pressure 20C: Negligible / 1mB

Solubility in Water: Insoluble

Reactivity with Water: None

Specific Gravity:	< 0.98 (Water =1)
Flammability:	Combustible
10. Stability & Reactivity	
Stability & Reactivity:	Stable
Conditions to avoid:	Temperatures over 300 C will release combustible gases.
Materials to avoid:	Acids, Alkalis and Strong Oxidisers.
Hazardous decomposition products:	Smoke & Noxious Gases (Carbon Monoxide & Hydrocarbons)
11. Toxicological Information	
Acute Toxicity:	There is no data available but considered non-toxic given the ingredients used.
Skin Contact:	May cause Itching, redness, dryness
Eye Contact:	May cause Burning, itching, redness
Ingestion:	May cause nausea and vomiting
Chronic Toxicity:	Inconsistent data in workers shows some evidence that Chronic overexposure may lead to pneumoconiosis (adverse lung affects). However, generation of sufficient Silica dust levels from this material to produce such adverse effects seems unlikely.
12. Ecological Information	
	There is no data available but do not allow it to enter drains or watercourses.

13. Disposal Considerations

Dispose in accordance with local non-hazardous waste disposal regulations.

14. Transport Information

Classification Data:

Not classified as dangerous for transportation.

15. Regulatory Information

Users own assessment of workplace risks (ie Health and Safety at Work Act and COSSH Regulations) also apply to the

use of this product at work.

16. Other Information

The information given in this sheet is based is on our current state of knowledge.

This product should not be used for any other purpose than as specified in section 1.

None of the materials known to be contained in this product are known to Powder Arts to be carcinogenic.

The information relates to the specific product designated and may not be valid if it is used in combination with other materials or processes.

The information is not to be construed as warranty or implied. It is the user's responsibility to satisfy themselves as to the application of the information and recommendations given for their use.

Dated: 11/2017