

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

Trade Name: Flash Gold 90J

Relevant identified uses of the substance or Mixture: Colouring agent

Uses advised against: Not known

Supplier: Mineral Makeup Ingredients

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family: mica - titanium dioxide - tin dioxide - iron oxide. 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) |
|----------------------|------------|------------|--------------|----------------------|--|
| Mica | 12001-26-2 | 310-127-6 | 77019 | 60-68 | Not classified |
| Titanium dioxide | 13463-67-7 | 236-675-5 | 77891 | 28-32 | Not classified |
| Iron oxide | 1309-37-1 | 215-168-2 | 77861 | 0-1 | Not classified |
| Tin Dioxide | 18282-10-5 | 242-159-0 | 77491 | 4-8 | Not classified |

3. HAZARDS 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

4. FIRST AID MEASURES

MATERIAL SAFETY DATA SHEET

Description

| | |
|--------------------------------------|---|
| Inhalation (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 |
| Note to Physician: | No special measurers are required |

Most Important Systems and Effects

| | |
|------------------------|--|
| Both Acute and Delayed | |
| Acute: | None |
| Long Term (Repeated): | May cause irritation to respiratory system. Cough, increased difficulty in breathing |

Indication of Immediate Medical Attention and Special Treatment Needed

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|--------------|--|
| Recommended: | a. Chest XRay b. Lung functionality tests |
|--------------|--|

5. FIRE FIGHTING MEASURES Extinguishing Media

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|---------------------------------|---|
| Suitable extinguishing media: | Extinguish with water spray, foam or dry chemical |
| Unsuitable extinguishing media: | Carbon dioxide |

Special Hazards Arising From the Substance or Mixture

| | |
|---------------------------|---|
| Thermal hazards: | Non-combustible. None anticipated |
| Advice for fire-fighters: | Fire-fighters should wear complete protective clothing including self-contained breathing apparatus |

6. ACCIDENTAL RELEASE MEASURES Personal Precautions, Protective Equipment and Emergency Procedure

| | |
|--------------------------------|---|
| Personal precautions: | Do not breathe dust |
| Personal protection equipment: | Wear appropriate personal protection 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 |

MATERIAL SAFETY DATA SHEET

Containment and cleaning up:

Collect mechanically and dispose of according to section 13. Use vacuum equipment for collecting split materials, where practicable

Reference to other sections:

See section 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid breathing dust

Condition for safe storage including any Incompatibilities:

Keep container in a well ventilated place

Specific end uses(s):

Not known

8. EXPOSURE CONTROLS/PERSONAL PROTECTON

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 the dispersive process, step away from other operations. This can be achieved by local exhaust ventilation or general ventilation.

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

Hand/eye/face protection:

Wear gloves, eye protection and an approved dust mask if dust if 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 rubbers gloves

Respiratory protection:

Dust mask covering nose and mouth

Thermal hazards:

None

Environmental exposure control:

Avoid dust generation. Avoid accumulation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------|--------------------|
| Form | : powder |
| Colour | : Flash Gold |
| Odour | : odourless |
| pH | : 6.0-9.0 (4% H2O) |
| Boiling point, ° C | : not applicable |
| Melting point, ° C | : decomposes |

MATERIAL SAFETY DATA SHEET

| | |
|-----------------------|------------------|
| Freezing point, ° C | : not applicable |
| Density | : 3.0-3.1 kg/L |
| Bulk density | : 20-24 g/100g |
| Vapour pressure | : not applicable |
| Solubility (in water) | : insoluble |
| Particle size | : 10-100µm |

10. STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Reactivity: | There may be violent or incandescent reaction of the product with metals at high temperature (e.g. aluminium, magnesium, potassium, sodium, zinc, lithium) |
| Chemical stability: | Stable under normal conditions |
| Possibility of hazardous reaction: | None |
| Condition to avoid: | High temperature |
| Incompatible materials: | Strongly acidic, alkaline, oxidizing agents |
| Decomposition products: | No information available |

11. TOXICOLOGICAL INFORMATION Information on Toxicological Effects

This inorganic pigment in general are considered to be practically non-toxic

| | |
|----------------------------|----------------|
| Acute Toxicity Inhalation: | 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. |
| Bio-accumulative potential: | No data |
| Mobility in soil: | No applicable |
| Results of PBT and vPvB: | 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 transport

MATERIAL SAFETY DATA SHEET

| 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 Organisation
IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association

DATA SOURCES

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

MATERIAL SAFETY DATA SHEET

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

HSDB

NIOSH ICSC

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

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--End of MSDS--