Pittaway
SPECIAL COATINGS LIMITED

Ilumitextra Aluminium Glitters

Note: The product is an object defined as an object in the Regulation (EC) No. 1907/2006 (REACH) Art. 3 Par. 3, not classified as dangerous or not containing substances classified as dangerous, so there is no obligation to issue a safety data sheet according to the Regulation (EC) |No. 1907/2006 Art. 31 (Requirements for safety data sheets). The following information complies with the obligation according to Art. 32 (for substances on their own or in preparations for which a safety data sheet is not required) and was issued following the structure by Annex II.

1. Identification of the substance / the preparation / the product and identification Of the company

1.1 Identification of the substance / the preparation / the product

Trade name: **Aluminium Glitter**

1.2 Application of the substance / the preparation / the product

To be used as: Effect material for wallpaper industry, furniture and sport article industry. Also suitable for powder coatings.

Unsubscribed use: unknown

1.3 Company identification

Manufacturer / Supplier:

Pittaway Special Coatings
106 – 114 Flinton Street
Hull
East Yorkshire
HU3 4NA
United Kingdom
Phone: +44 1482 329007
Email: info@ilumitex.co.uk
Web: www.ilumitex.co.uk

1.4 Emergency Call

This telephone number can be reached during Office Hours:
Monday – Friday 8.00am – 5.00pm

2. Possible dangers

2.1 Classification of the substance or mixture

Not classified according to Regulation (EG) No. 1272/2008 (CLP).

2.2 Labeling elements

Not subject to labelling according to Regulation (EG) No. 1272/2008 (CLP)

2.3 **Additional danger advice**

No risks from this product regarding human health or environment are apparent. We therefore have no knowledge of chronic or skin irritating effects when physical contacts has occurred.

3. Composition / detailed information on the ingredients

3.1 **Substance**

Not relevant.

3.2 **Mixtures**

Description: Solid made of coated aluminium foil

3.3 **Ingredients**

Substance Name	***Classification***	***Weight***	***CAS No***	***EC No***	***REACH Reg. No***
Polyurethane Coating	No hazardous substance	28%	68258-82-2	682-783-4	No registration
CI 73915	No hazardous substance	Depends on 0 – 1.4%	980-26-7	213-561-3	01-2119456804-33
CI 21108	No hazardous substance		5567-15-7	226-939-8	01-2119475484-30
CI 74160	No hazardous substance		147-14-8	205-685-1	01-2119458771-32
CI 74260	No hazardous substance		1328-53-6	215-524-7	01-2119459333-39
CI 73312	No hazardous substance		14295-43-3	238-222-7	No registration
CI 77266(nano)	No hazardous substance		1333-86-4	215-609-9	01-2119384822-32
CI 51319	No hazardous substance		6358-30-1	228-767-9	No registration
CI 77000	Water-React. 2; H261 Flam. Sol. 1; H228	95.8-97.2%	7429-90-5	231-072-3	01-2119529243-45

4. First aid measures

4.1 **Description of first aid measures**

4.1.1 **General Advice**

After contact with the melted product contaminated cloths need to be changed. In case of fainting, place and transport the person into the recovery position. In case of persisting discomfort please contact a physician. To helpers: Please protect yourself.

4.1.2 **After Inhalation**

After inhalation of dust particles and in particular decomposition gases, take the injured person into fresh air, lay him down and protect him from hypothermia. In case of a fainting spell and existing breathing, place the person in a stabilised side position. Please contact a physician for treatments.

4.1.3 **After Skin Contact**

In case of contact with the melted product rinse water over the affected area of skin for at least 15 minutes. Remove contaminated clothes, but do not remove product residues from the skin. Burns have to be covered with sterile bandages. In case of burns, skin irritations or other symptoms please contact a physician.

4.1.4 **After Eye Contact**

Remove particle carefully from the affected eye. If needed, remove contact lens. Rinse eye for 15 minutes thoroughly with plenty of water. Consult a physician if needed.

4.1.5 **After Swallowing**

Rinse mouth thoroughly and drink plenty of water. In case of indisposition call a physician.

4.2 **Main acute and delayed symptoms and effects**

No information available.

4.3 **Advise to the physician**

Toxic effects of the product itself except for thermal decomposition and fire are unknown. In case of any discomfort please treat symptomatically.

5. **Fire fighting actions**

5.1 **Extinguishing agents**

5.1.1 **Suitable extinguishing agents:**

The product itself is neither combustible nor explosive. Extinguishing agents have to be coordinated with the surrounding fire.

5.1.2 **For safety reason unsuitable extinguishing agents:**

Jet of water.

5.2 **Special hazards arising from the substance or mixture**

Carbon monoxides (CO) and other toxic and flammable gases can be released.

5.3 **Special protective equipment**

An independent respiratory device (isolation device) should be used.

5.4 **Additional advice**

The product can ignite in case of fire and can continue to 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. Please cool the melted product with water. Collect the burn residue and water for fire fighting in compliance with the legal regulations.

6 **Measure by accidental release**

6.1 **Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust, do not inhale dust. Keep sources of ignition away from the dust.

6.2 **Environmental measures**

Wastewater must be mechanically cleaned from of rest products prior to emptying into the

sewer system.

6.3 **Cleaning procedures and absorption**

Dry absorption and if possible, re-utilisation of the material.

6.4 **Reference to other sections**

Personal protective equipment according to section 8.2, disposal according to section 13.

7 Handling and storage

7.1 **Protective measures for safe handling**

7.1.1 **Safety advice**

Avoid overheating through improper processing and dusting.

7.1.2 **Technical protective measures**

Local ventilation and airing guarantee, that all limits mentioned under point 8.1 are maintained.

7.1.3 **Fire and explosion protection information**

Keep away from sources of ignition.

7.2 **Conditions for safe storage under consideration of incompatibilities**

7.2.1 **Requirements for storage in rooms and containers**

No special storage necessary. Storage in tightly closed (original) container.

7.2.2 **Additional details regarding storage**

Protect from heat. Comply with the appropriate regulations of the company's fire prevention measures.

7.2.3 **Information on storage in one common storage facility:**

Storage class according to TRGS 510; LGK 11 (flammable solid materials).
No incompatible products to mention.

7.3 **Specific end uses**

See section 1.2.

8. Exposure limits and personal protection

8.1 Parameters to be monitored

Mechanical dry processing of the product can generate a risk of dust: The local limits of dust concentration at the work to be considered.

Parameter	CAS-Number	EINECS	Value	Type of Limit
General dust limit	----	----	10 mg/m³ E 1.25 mg/m³ A	Limit at work (AGW) according To the TRGS 900 Regulation
Aluminium	7429-90-5	231-072-3	50µg/g Kreatinin	Limit at work (BGW) according To the TRGS 903 Regulation

8.2 Exposure controls and monitoring

8.2.1 Technical protection measures

An on-site extraction system is required in the event of gathered dust and thermal pollution from the product.

8.2.2 Personal protection equipment

8.2.2.1 Respiratory protection

Use respiratory protection in the event of dust exposure, e.g. a P1 dust mark that conforms to EN 143 or a half mask with particle filter FFP1 or PP2 conforms to EN 141. Caution! Limited wearing period.

8.2.2.2 Hand protection

Protective gloves are generally not required. In case of constant skin contact, gloves are sufficient for low mechanical and material stress, see also BGR 195, e.g.:

Material:	Material thickness	Penetration time:
Butyl rubber	min. 0.4 mm	minimum 30 min. acc. to DIN EN 374

8.2.2.3 Eye protection

Side-shielded safety goggles that conform to EN 166 are required when carrying out mechanical processing with exposure to dust.

8.2.2.4 Body protection

Safety shoes to wear the product, as well as normal work clothes are sufficient.

8.2.2.5 General industrial safety and hygiene measures

Do not inhale dust. Avoid contact with eyes. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work.

8.2.3 Limitation and monitoring of environmental exposure

Environmentally hazardous properties of the product are not known, so that the general operational measures for environmental protection are sufficient.

9. Physical and chemical properties

9.1 General details

Physical condition:	Solid
Shape:	Glitter particles in rectangular, hexangonal or square Shapes
Odour:	Odourless
Colour:	Various (refer to table regarding colour proportions, Chapter 3.3)

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

pH value:	Not applicable
Heat resistance:	230°C
Melting point / melting range:	659°C
Boiling point / boiling range:	2447°C
Flash point:	Not applicable
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:	2.70 kg/dm³
Bulk density:	Between 0.20 and 1.00 kg/dm³ - depending on particle Size
Water solubility:	Insoluble in water
Partition coefficient n-Octanol/ water:	Not applicable
Viscosity:	Not applicable
Vapour density:	Not applicable
Evaporation speed:	Not 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 Reactivity

Not reactive under the stated conditions of use and storage.

10.2 Conditions to be avoided

Pyrolysis, dangerous decomposition products and dangerous reactions will not occur if

the product is used as intended.

10.3 **Substances to be avoided**
Potent acids, and oxidation agents. Protect from temperatures > 150^{o}C

10.4 **Dangerous decomposition products when heated**
Aldehyde, carbon monoxide, carbon dioxide, hydrocarbons.

11. **Toxicological data**

11.1 **Information on toxicological effects**

11..1.1 **Toxicokinetic, metabolism and distribution**
No data available.

11.1.2 **Acute toxicity**
No data available.

11.1.3 **Etching and irritant effects**
Contact with the melted product can cause burn wounds. The inhalation of dust and decomposition gases can cause health defects.

11.1.4 **Sensitizing effects**
No sensitizing effects on skin and respiratory organs known.

11.1.5 **Specific organ toxicity at single or repeated exposure**
No organ toxic effects known.

11.1.6 **Carcinogenicity, mutagenicity, and reproductive toxicity**
No carcinogenic, mutagenic, or toxic to reproduction effects known.

12. **Environmental details**

12.1 **Toxicity**
No data available

12.2 **Persistence and degradability**
The product is insoluble and the inorganic substances it contains are not bioavailable.

12.3 **Bioaccumulation potential**
The product is insoluble and the inorganic substances it contains are not bioavailable, thus not bio accumulative.

12.4 **Mobility in the ground**
The product is insoluble and therefore not mobile.

12.5 **Other adverse effects**

Ozone depletion potential and greenhouse effect are not known.

Ecological and ecotoxicological data are not available. A threat to the environment is not to be expected if the product is handled and disposed of safely.

13. Notes on disposal

13.1 Waste treatment process

The product does not generate any waste that is subject to monitoring in accordance with Regulation (EU) No. 1357/2014. For disposal, national laws and local regulations must be observed.

13.1.1 Product

Product residues should be reused wherever possible.

13.1.2 Uncleaned packaging

Recommendation: Non-contaminated packaging can be reused.
Cleaning agent Water.

14. Information on Transport

14.1	**UN-Number**	not relevant
14.2	**Proper UN shipping name**	not relevant
14.3	**Transport hazard classes**	not relevant
14.4	Packaging group	not relevant
14.5	**Environmental hazards**	see section 14
14.6	**Special precautions for the user**	see section 7
14.7	**Transport in bulk in accordance with Annex II to the MARPOL Convention and the IBC Code**	not relevant

Note: No dangerous goods as defined by ADR/RID/AND/GGVSEB, ICAO/IATA, IMDG

15. Legal provisions

15.1 Safety, health and environmental protection/legislation specific to the substance or Mixture

15.1.1 EU regulations

Classification and labelling: None according to Directive (EC) No. 1272/2008 (CLP) or other known EU regulations

15.1.2 **National regulations**

Classification and labelling:	None according to the Hazardous Substances Ordnance (GefStoffV) or according to other known national regulations
Employment restrictions:	None according to GefStoffV, JArbSchG or MuSchV
Major Accidents Ordinance:	The product is not subject to the Major Accidents Ordinance
Water hazard class:	No WGK, not hazardous to water according to AwSV

16. **Additional information**

16.1 **Summary of the H-Statements (chapters 3.3)**

Rating of the substance Aluminium:

H228	Flammable solid
H261	In contact with water releases flammable gases

16.2 **Recommended Limitations of use**

The glitter mentioned in this safety data sheet has not been tested according to the European Cosmetics Directive and its requirements for commodities. On the part of Sigmund Lindner, this Glitter is not released as cosmetically approved article, nor should it Be used as raw material for the application in cosmetics and food.

Glitter is not a toy and must therefore be stored away from children. A resale as a toy requires the EC conformity evaluation and the distributor's compliance with the legal regulations. We expressly point out, that a conformity evaluation in this sense has not been carried out by us.

16.3 **Used abbreviations**

A: Alveolar Dust
ADR: Accord européen relative au transport international des merchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
AGW: Occupational exposure limit according to TRGS 900
BGW: Biological limit value according to TRGS 903
CAS: Chemical Abstracts Service (division of the American Chemical Society)
CI N^{o}: Colour Index Number
CLP: Classification, Labelling and Packaging of Substance and Mixtures

E: Inhalable Dust
EC N^{o}: EINECS Number (European Inventory of Existing Commercial Chemical Substances)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG International Maritime Code of Dangerous Goods
REACH: Regulation on Registration Evaluation, Authorization and Restriction of Chemicals
RID: Réglement concernant le transport international ferroviaire des Merchandises dangereuses (Regulations Concerning the International Transport of Dangerous Goods by Rail)
TRGS: Technical Rules for Hazardous Substances
WGK: Water hazard class

16.4 **Remarks**

All details noted in this data sheet correspond to our knowledge at the time this data sheet has been put into effect. This information should be used as a guideline for safe treatment in accordance with the products mentioned in our material safety data sheet, during storage. production, transport and disposal. This information is not applicable to other products, to newly produced materials, if the product mentioned in this material safety data sheet is mixed or blended with other articles or when other transformations are made to it.

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