

Glitter Body Art®

PRODUCT SAFETY DATA SHEET

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

1.1. Product Identifiers

Product Name:	Silver Flake Powder - Coated
CAS-No.:	7429-90-5
EC No.:	231-072-6

1.2. Relevant Identified uses of the substance or mixture and uses advised against

Powder Metallurgy, Decorative Castings/Coatings.

1.3. Company/undertaking identification

Glitter Body Art Ltd
Unit 44 /46 Tondu Enterprise Park
Tondu
Bridgend
CF32 9BS

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Shop: www.temporarytattoostore.co.uk
Email: temporarytattoostore@gmail.com
Secondary Email: glitterbodyart@hotmail.com

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Flam. Sol. 1 H228 Flammable solid

Classification according to EU Directives 67/548/EEC or 1999/45/EC
F; Highly flammable

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008 [CLP]

Pictogram:



GHS02 Flame

Signal word:

Danger

Hazard statement(s)

H228 Flammable solid.

H261 In contact with water releases flammable gas.

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P223 Keep away from any possible contact with water, because of violent reaction and possible flash fire.

P231 + P232 Handle under inert gas. Protect from moisture.

P335 + P334 Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/...../equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370 + P378 In case of fire: Use special powders for metal fires or Sand for extinction.

P402 + P404 Store in a dry place. Store in a closed container.

P501 Dispose of contents as hazardous waste to landfill

Labeling According to European Directive 67/548/EEC as amended.

Hazard symbol(s)



F; Highly flammable

R-phrase(s)

R11 Highly flammable

R15 Contact with water liberates extremely flammable gases

S-phrase(s)

S7/8 Keep container tightly closed and dry

S43 In case of fire use special powders for metal fires
- Never use water

2.3. Other hazards

Risk of dust explosion.

The substances in the mixture do not meet the criteria for PBT or vPvB substances.

Classification System is according to latest editions of EU lists and is extended by company and literature data.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description of Material: Aluminium Powder (stabilised)

Synonyms: None

Chemical Composition:

EINECS N°	CAS N°	INDEX N°	Chemical name	Conc. (% w/w)	Hazard class and category code	Hazard statement	Danger symbol/R phrases
231-072-3	7429-90-5	013-002-00-1	Aluminium	>99	F	Flam. Sol. 1 H228	R11-15

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: First aid followed by medical attention.

Inhalation: Move exposed person to fresh air. Keep warm and at rest. Seek medical attention as soon as possible.

Skin contact: Wash with mild soap and water. Generally the product does not irritate the skin. Seek medical advice if irritation occurs/persists.

Eye Contact: Rinse opened eye for several minutes under running water. Seek medical attention if irritation persists.

Ingestion: Wash mouth out with water, seek medical attention if symptoms occur.

4.2 Most Important Symptoms and effects, both acute and delayed

No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Dry sand, dry powder extinguisher, fire blanket

Extinguishing Media not suitable for safety reasons:

Water, Carbon dioxide, foam, ABC Powder

5.2 Special hazards arising from the substance or mixture:

Contact with water liberates extremely flammable gas (hydrogen)

5.3 Advice for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions:

Wear protective equipment.
Keep unprotected persons away.
Avoid formation of dust

6.2 Environmental precautions:

Do not allow product to reach ground water, water bodies or sewerage system.

6.3 Methods for cleaning up:

Pick up manually
DO NOT USE a vacuum.

6.4 Reference to other sections:

See also sections 8 and 13

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Close containers carefully after use
Maintain good housekeeping to avoid causing dust and deposit of dust.
Keep away from sources of ignition. No smoking
Use intrinsically safe equipment and non sparking tools. Protect against electrostatic charges (e.g use full metal shovels)
Whilst refilling connect containers with earthing clamps.

7.2 Conditions for safe storage including any incompatibilities:

Store in cool dry place in non combustible containers (original containers preferred). Do not store with oxidising agents, other combustible materials, acids or alkalis. Store away from steam pipes, radiators or other sources of heat or moisture.

7.3 Specific end uses:

None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

OES: <i>Average daily value:</i>	10mg/m ³ total dust
<i>(8hr TWA)</i>	4mg/ m ³ respirable fraction

(Ref: EH40/2005 as consolidated with amendments Oct 2007.)

National exposure control limits must be considered where appropriate.

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8.2 Personal Protection

Respiratory protection:	Cartridge filter type P 1 according to EN 149:2001 is recommended if exposure control limit is exceeded.
Hand Protection:	Gloves according to EN 388 and 407 are recommended.
Eye Protection:	Tight safety goggles.
Body Protection:	Non conductive and fireproof clothing (e.g Nomex III antistatic) according to EN 531 and 1149-1.
Foot Protection	Non conductive boot according to EN345.
General Safety and Hygiene measures:	In general, no pure synthetic fibres (electrostatic charge).Wash hands before breaks and at the end of work

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance:	Silver grey powder
b) Odour:	slight waxy
c) Odour threshold	no data available
d) pH	no data available
e) Melting point/freezing point	660°C
f) Initial boiling point and boiling range	2467°C
g) Flash point	>600°C
h) Evaporation rate	no data available
i) Flammability (solid, gas)	< 10 minutes (Ann. A9 CD 67/548/EEC)
j) Upper/lower flammability or explosive limits	Product is not hazardous with regard to explosions, however it may form an explosive dust/air mixture.
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	2.7 g/cm ³ at 20°C
n) Specific Weight	no data available
o) Water solubility	Insoluble
p) Partition coefficient: n octanol/water	no data available
q) Autoignition temperature	No autoignition
r) Decomposition temperature	no data available
s) Viscosity	no data available

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- t) Explosive properties Lower limit 30g/m³, upper Limit not determined
- u) Oxidizing properties no data available

9.2 Other Safety Information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No decomposition in usual conditions

10.2 Chemical stability

Stable under normal conditions of use

10.3 Possibility of hazardous reactions

Avoid dust clouds, they may form explosible dust-air-mixture.

Reacts with halogenated compounds.

Reacts with acids, alkalis and oxidizing agents.

Reacts with alkalis, acids, halogenes and oxidizing agents.

Contact with acids and alkalis may release hydrogen.

Contact with water may release flammable gases.

Risk of dust explosion.

10.4 Conditions to avoid

No further relevant information available

10.5 Incompatible materials

No further relevant information available

10.6 Hazardous decomposition products

No further relevant information available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Aluminium

Oral LD-50 rats >2000mg/kg body weight

Inhalation LC-50 rats 888 mg/m³

Skin corrosion/irritation

Not classified

Serious eye damage/eye irritation

Not classified

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity
Not classified

Reproductive toxicity
Not classified

Specific target organ toxicity - single exposure
Not classified

Specific target organ toxicity - repeated exposure
Not classified

Aspiration hazard
Not classified

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Aluminium is not classed ecotoxic according to 67/548/EC
Water hazard class (WGK): Generally not hazardous to water (self classification according to VwVwS)

13. DISPOSAL CONSIDERATIONS


Product: Remove in accordance with local official regulations. Dispose of at a hazardous waste landfill. Allocation of a waste code number (12 01 04) non-ferrous metal dusts and particles according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Used packaging material: Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

14. TRANSPORT INFORMATION:

	ADR/RID	IMDG	IATA
14.1 UN number	1309	1309	1309
14.2 UN Proper shipping name	ALUMINIUM POWDER, COATED	ALUMINIUM POWDER, COATED	ALUMINIUM POWDER, COATED
14.3 Transport Hazard Class(es)	4.1 Flammable solids, self-reactive substances and solid desensitised explosives	4.1 Flammable solids, self-reactive substances and solid desensitised explosives	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
14.4 Packing group	II	II	II

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14.5 Environmental Hazards	Not Classified as hazardous	Not Classified as hazardous	Not Classified as hazardous
14.6 Special Precautions for user	(*)	EmS: F-G, S-G (*)	(*)
14.7 Transport in Bulk according to Annex II of Marpol73/78 and the IBC code	Not applicable	Not applicable	Not applicable
14.8 Labelling			
Additional Information	Limited Quantities LQ8 Transport Category 2 Tunnel Restriction Code E		
(*) – The transport, comprising charge and discharge, must be made by people who have been trained on 'Dangerous Goods Regulations'			

15. REGULATORY INFORMATION

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

The mixture is NOT subject to:

- Regulation (EC) n. Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer;
- Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants;
- Regulation (EC) n. 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals.

15.2 Chemical Safety Assessment

Has been carried out

16. OTHER INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Products covered by this data sheet include:

Fine Aluminium Powder 124NS
 Flake Aluminium Powder 8982
 Lining Aluminium Powder 400
 Aluminium Ink Lining 500
 Aluminium Super Ink Lining 600
 (this list is not exhaustive)

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Laws and References

- Directive 67/548/EEC and following updates and amends. (Directive on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances)
 - Directive 2004/74/EC
 - Regulation EC n. 1907/2006 (REACH)
 - Regulation EC n. 2172/2008 (CLP)
 - Regulation EC n. 790/2009
 - Regulation EC n. 453/2010
 - ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG Code (International Maritime Dangerous Goods Code).
 - IATA (International Air Transport Association).
 - SAX'S, (Dangerous Properties of Industrial Materials)
 - ACGIH (2009) American Conference of Governmental Industrial Hygienists
 - Explosibility of Metal Powders, 1964. Authors: Murray Jacobson, Austin R. Cooper and John Nagy; researchers of the Bureau of Mines, Pittsburgh, Pa.
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