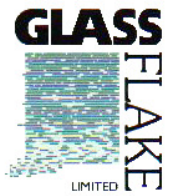


MATERIAL SAFETY DATA SHEET

Ref: AgFlake 10/10/07
Revision Date: 17/12/07



SILVER GLASSFLAKE

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

Product Name: Silver Glass Flake

Manufacturer: Glassflake Limited
Forster Street,
Leeds, LS10 1PW
United Kingdom.
Tel: +44 (0)113 2703 615
Fax: +44 (0)113 2718 750

Supplier(s): Glassflake Ltd
Forster Street,
Leeds, LS10 1PW
United Kingdom.
Tel: +44 (0)113 2703 615
Fax: +44 (0)113 2718 750

Glassflake Australia Pty Ltd
15 Barron Parade
Joondalup 6027
Western Australia
Tel/ Fax: +61 (8) 93001409

Emergency Telephone: +44 (0)1652 641 124

Material Uses: Decorative / Functional Filler for use in Polymers

Synonyms: Silver coated Borosilicate glass flakes / AgFlake

2. COMPOSITION/INFORMATION OF INGREDIENTS

Description: High Aspect Ratio Platelets coated with Silver

Chemical Name: Flaked glass 70-95%wt (Contains no free crystalline silica)

Coating (if applicable): Silver based 5-30%wt

CAS Number /
TSCA Number: 65997-17-3 (glass flake)
7440-22-4 (Silver)

EINECS-Number: 266-046-0 (glass flake)
231-131-3 (Silver)

3. HAZARD IDENTIFICATION

Specific Hazard: None

Physical Hazard: May cause skin cause temporary skin irritation to skin, eyes throat or nose

4. FIRST AID

Eye Contact: Flush with flowing water for at least 15 minutes and if symptoms persist, seek immediate medical attention.

Skin Contact: Wash with mild soap and running water.

Inhalation: None required

Ingestion: If symptoms develop seek medical attention.

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5. FIRE FIGHTING PRECAUTIONS

Extinguishing Media:	Water, foam, CO ₂ , dry chemical
Special Fire Fighting Procedures:	None required.
Unusual Fire Hazards:	None.

6. ACCIDENTAL RELEASE MEASURES

N/A

7. HANDLING AND STORAGE

Ventilation:	May be required in some operations, such as dust generating manufacturing or fabrication operations.
Work Hygienic Practices:	Dust Prevention - dust collection systems should be used in fabrication operations that have potential for exposure to dust. Cleanliness - the work area should be kept clean of dust generating debris. Keep waste disposal equipment close to the working area to avoid unnecessary handling of waste materials.
Irritation:	Avoid Irritation - be careful not to rub or scratch irritated areas. Use of barrier creams can, in some instances, be helpful.

8. EXPOSURE CONTROLS/PERSONNEL PROTECTION

Medical Conditions Generally Aggravated by Exposure:	Any condition generally aggravated by mechanical irritants in air or on the skin.
Exposure Limits:	None for Glassflake, general recommendations for exposure to dust will apply.
Carcinogenicity:	Categorised as not classifiable relative to human Carcinogenicity
PERSONNEL PROTECTIVE EQUIPMENT	
Respiratory Protective Equipment:	Use of respiratory protection during manufacture or fabrication - appropriate respiratory protection should be used in accordance with the directions of each manufacturers' or fabricators' respiratory protection programme
Work Clothes:	Wear loose fitting, long sleeved clothing. (Skin irritation is known to occur chiefly at pressure points such as around the neck and waist.) Gloves should be used. Use vacuum equipment to remove glassflake from clothes. Compressed air should never be used. Always wash work clothes separately and wipe out the washer/sink in order to prevent loose glassflake from getting on other articles.
Eye Protection:	Safety glasses, goggles or face shields should be worn where glassflake may get into the eyes.

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9. PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Solid in the form of flakes.
Colour:	Silver.
Odour:	No odour.
Melting point:	Glass 688 °C (Softening point)
Boiling Point:	Silver 2210 °C
Flash Point:	N/A
Explosive Limits:	N/A
Vapour Pressure:	N/A
Vapour Density (Air = 1):	N/A
Solubility in Water:	Non-soluble
Specific Gravity (H ₂ O = 1):	1.5-5.0
Percentage Volatile by Volume:	N/A

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	None
Unstable when mixed with:	N/A

11. TOXICOLOGICAL INFORMATION

No data for glassflake

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Measures for Disposal: Dispose in accordance with local regulations. The primary method of disposal is in a municipal or industrial landfill.

14. TRANSPORT INFORMATION

Non Hazardous for transport purposes.

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15. REGULATORY INFORMATION

EEC Regulations:

EEC Labelling

16. OTHER INFORMATION

Note: This information is offered in good faith, but without guarantee or liability. Should further information regarding this product be required, please consult Glassflake Technical Services.