

SAFETY DATA SHEET

PRODUCT NAME: B65633

REFERENCE: SDS/B65633

DATE OF ISSUE: 08/02/2021

REVISION: 11

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: B65633

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: Biocidal product not for agricultural purposes.

1.3 Details of the supplier of the safety data sheet

Company Details: BioCote Ltd
3 Parade Court, Central Boulevard, Prologis Park, Coventry, CV6 4QL, UK
Telephone: +44 (0) 2477 712489
Email: biocote@biocote.com

1.4 Emergency telephone number

BioCote Ltd:
+44 (0) 2477 712489 (working hours 08:30 - 16:00 - GMT)
UK: 999
EU (If applicable): 112
If not 999 or 112: Dial your local emergency number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to REGULATION EU 1272/2008

Classification: No classification assigned based on classification criteria.

2.2 Label elements

Labelling
(REGULATION (EC) No 1272/2008) No classification assigned based on classification criteria.

**Precautionary statements****General**

Not applicable.

Prevention

Not applicable.

Response

Not applicable.

Disposal

P501

Dispose of contents/container in accordance with local regulation.

2.3 Other hazards**Other hazards which do not result****In classification:**

Molten plastic may cause severe burns.

SECTION 3: Composition/information on ingredients**3.1 Substances**

See "Composition on ingredients" in Section 3.2

3.2 Mixtures

Name	Weight %	CAS No	Classification according to regulation (EC) No 1272/2008 (CLP)
Silver phosphate glass	30%	130328-20-0	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Acrylonitrile-butadiene-styrene	70%	9003-56-9	Not applicable

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:****After inhalation:**

Not applicable.

After contact with skin:

In case of contact with molten plastic cool rapidly with water.

After contact with eyes:

Do not attempt to remove physically or with solvent. Seek medical advice.

After ingestion:

If possible remove contact lenses, and wash eyes. Seek medical advice

DO NOT INDUCE VOMITING. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed**Symptoms:**

Skin irritation.

Hazards:

No additional risks known.

4.3 Indication of any immediate medical attention and special treatment needed**Treatment:**

Treat symptomatically.

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Water.
Foam.
Dry powder.
Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Burning may produce toxic gases and styrene with dense smoke.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighting:

Use self-contained breathing apparatus
Wear full protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment.
Ensure adequate ventilation of working area.
Use in an enclosed system or with local exhaust ventilation.

6.2 Environmental precautions

Do not dispose of in landfill.

6.3 Methods and material for containment and cleaning up

Sweep up and transfer to suitable, labelled container for disposal.

6.4 Reference to other sections

Additional information:

See chapter.
8. Exposure controls/personal protection.
13. Disposal considerations

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

Avoid contact eyes, ensure adequate ventilation of the working area (local exhaust ventilation if necessary), adopt best manual handling considerations when handling, carrying and dispensing.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and dry in a cool, well-ventilated place.
Protect from UV light and moisture exposure.
Store at a temperature between 5 to 40°C.

7.3 Specific end use(s)

Antimicrobial additive for plastics.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limit values:

Silver (soluble compounds as Ag)

Workplace exposure limit

Long-term exposure limit (8-Hr TWA reference period)

0.01 mg.m-3

8.2 Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation of the working area.

General protective measures:

Avoid contact with eyes and skin.

Hygiene measures:

Wash hands and forearms after handling chemical products, before eating, smoking and using the lavatory at the end of the work period.

Respiratory protection:

Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure.

Recommended: in case of dust formulation particle filter P2.

Hand protection:

Chemical Resistant gloves. Recommended: Polyvinyl chloride - PVC

Eye protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dust.

Recommended: Tightly fitted safety goggles.

Body protection:

Protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Solid, pellets
Particle size:	Approx, 3mm
Specific gravity:	1.04
Colour:	White
Odour:	None
Odour threshold (ppm):	No data available.
pH:	No data available.
Melting point:	200-230°C
Boiling point:	N/A
Flash point:	Non-combustible.
Thermal decomposition:	No data available
Auto ignition temperature:	Non-combustible.
Evaporation rate:	No data available.
Flammability:	Not flammable.
Vapour pressure:	No data available.



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Vapour density (air):	No data available.
Relative density:	No data available.
Solubility(ies):	Insoluble in water. ABS masterbatch products are resistant to many common solvents
Partition Coefficient (n-Octanol/water):	No data available.
Viscosity (mPa. s):	No data available.
Explosive properties:	Not explosive.
Oxidising properties:	Not oxidising.

SECTION 10: Stability and reactivity

10.1 Reactivity	See section 10.3 'possibility of hazardous reactions'.
10.2 Chemical stability	Stable under normal conditions.
10.3 Hazardous reactions	No known reactions.
10.4 Conditions to avoid	None.
10.5 Incompatible materials	None.
10.6 Hazardous decomposition products	When used and handled as intended, none.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Silver phosphate Glass

Acute oral toxicity:	LD50	>5000mg/kg (mouse)
Acute dermal toxicity:	No data available.	
Acute inhalation toxicity:	No data available.	
Irritant effect on eyes:	No data available.	
Irritant effect on skin:	Negative.	Rabbit.
Sensitization:	Negative.	Guinea-pig.
Repeated does toxicity:	No data available.	
Assessment of mutagenicity:	Negative.	Negative (<i>E.coli</i> and <i>S.typhimurium</i> In Vitro)
Assessment of carcinogenicity:	None of the components of this product are listed by IARC or DFG.	
Remarks:	Long term absorption (5-10 years) of silver or its compounds by inhalation or ingestion may produce generalised 'Argyria' - a permanent blue/grey discolouration of the skin.	

SECTION 12: Ecological information**12.1 Toxicity**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Silver phosphate glass is an inorganic substance; not identified as PBT or vPvB.

12.6 Other adverse effect

None.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product:**

Dispose of in accordance with local authority regulations.

Uncleaned packaging:

Regulations concerning reuse or disposal of used packaging materials must be observed.

SECTION 14: Transport information**14.1-14.5**

This product is not classified as dangerous for carriage.

14.6 Special precautions for user:

See sections 6-8 of this safety data sheet.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU REACH (1907/2006)- Annex XIV List of substances Subject to Authorisation**

No components of this material are listed.

EU REACH (1907/2006)- Article 59(1) Candidate List of Substances Subject to Authorisation

No components of this material are listed.

EU REACH (1907/2006)- Annex XVII Restrictions of Certain Dangerous Substances, Mixtures and Articles

No components of this material are listed.

EU REACH (1097/2006) Article 15(2)- Substances Regarded as Being Registered Biocidal Products

The additives used in BioCote products are registered under EU Regulation 528/2012 and therefore the uses of BioCote products in biocidal applications are exempt from REACH registration requirements.

EU Biocides (1451/2007)- Existing active substances

Active substance identified as existing active substance.

EU Biocides (528/2012)- Biocidal Product Regulation

Active substance supported through review programme for Union registration for PT2, 4, 7 and 9.

SECTION 16: Other information

16.1 Key/Legend to abbreviations and acronyms used in the safety datasheet.

CLP – Classification, Labelling and Packaging;

IARC- International Agency for Research on Cancer

IMDG-International Maritime Dangerous Goods.

LD50-Lethal dose, 50%:

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals;

TWA-Time Weighted Average

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. The information is correct to the best of our knowledge and belief at the date of publication; however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.