

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name B107 .Purple.
Chemical Name Cobalt Tin.
CAS Number no number
EC Number no number

1.2 Relevant identified uses of the substance or mixture and uses.

Pigment for glazing and ceramics

1.3 Details of the supplier of the safety data sheet

W.G. Ball Ltd

Anchor Road
Longton
Stoke on Trent
ST3 1JW
United Kingdom
Tel: (01782) 313956 & 312286
Email: sales@wgball.com

1.4 Emergency telephone number:

01782-313956
Hours of operation: Mon-Fri 08:00 - 16:00 hours

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS07 Warning

Acute toxicity (inhalation) Category 4, H332

Acute toxicity (oral) Category 4, H302

Specific Target Organ Toxicity - H373

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Harmful Xn

R20/22: Harmful by inhalation and if swallowed.

R33: Danger of cumulative effects

R48: Danger of serious damage to health by prolonged exposure.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard Pictogram GHS07

Signal word Warning

Hazard determining components of labeling: void

Hazard statements

H302: Harmful if swallowed.

H332: Harmful if inhaled.

H373: May cause damage to organs through prolonged or repeated exposure .

Precautionary statements

P270: Do not eat, drink or smoke when using this product.

P262: Do not get in eyes, on skin, on clothing

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

2.3 Other hazards:

no known

Inhalation Excessive exposure may cause symptoms of chronic lung disease.

Ingestion The product is of low solubility in body fluids and it is likely to be of low acute toxicity.

Eyes May cause physical irritation and inflammation.

Skin The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation.

Some cobalt compounds have been known to produce dermatitis and sensitisation.

3. Composition/information on ingredients

3.1 Substances

CAS No. no number

Identification number(s) 3210

EINECS number: no number

Index number: no number

Trade name: Purple Stain.

Composition: Calcined Cobalt/ Tin mixture.

4. First Aid Measures

4.1 Description of first aid measures

Inhalation : Remove patient to fresh air, loosen clothing & seek medical attention.

Ingestion : Do not induce vomiting seek medical advice.

Eyes : Wash immediately with copious amounts of water.

Skin : Wash affected areas with water.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

5. Fire Fighting Measures

5.1 Extinguishing media

Extinguishing Media : Suitable for surrounding fire conditions.

Special Exposure Hazard: In the event of fire, the product may emit harmful or toxic

5.2 Special hazards arising from the substance or mixture

None known

5.3 Advice for firefighters

Personal Protective Equipment: Self contained breathing apparatus.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Personal Protective Equipment: Respiratory protective equipment.

6.2 Environmental precautions

No special precautions

6.3 Methods and material for containment and cleaning up

Leaks and Spills : Use suitable vacuum equipment where practicable, otherwise damp down and scoop into a container.

6.4 Reference to other sections

See section 8 for information on personal protective equipment.

7. Handling and Storage

7.1 Precautions for safe handling

Handling : Do not eat, drink or smoke in areas where the material is used.

Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store in a dry area.

8. Exposure Controls/Personal Protective Equipment

8.1 Control parameters

no special ones

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Adequate ventilation should be provided so that occupational exposure limits are not exceeded. Local exhaust ventilation is normally recommended.

8.2.2 Individual protection measures:

Personal Protective Equipment:

Where L.E.V. is not practicable and exposure is likely to be excessive, approved respiratory protection conforming to CEN standards EN 140, 141, 143 or 149 should be worn.

Protective gloves and overalls are recommended for prolonged contact.

8.2.3 Environmental exposure controls:

9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance & Odour	:	Purple, odourless powder.
Flash Point	:	Not applicable.
Flammability	:	Does not support combustion.
Explosive Properties	:	Non explosive.
Oxidising Properties	:	None.
Specific Gravity	:	N.A.
Solubility	:	Insoluble.
Melting Point	:	N.A.

9.2 Other information

No further relevant information available.

10. Stability and Reactivity

10.1 Reactivity

The substance is non-reactive

10.2 Chemical stability

The material is stable.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

None known.

11. Toxicological Information

11.1 Information on toxicological effects

Prolonged or repeated exposure above Occupational Exposure Standards may cause fibrosis of the lungs.

12. Ecological Information

12.1 Toxicity

Not known.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Other adverse effects

Not known.

13. Disposal

Dispose of in accordance with current waste disposal regulations (for U.K. - Control of Pollution [Special Waste] Regulations 1980). Landfill is the most appropriate method.

14. Transport Information

14.1 U.N./S.I. No.	:	Not classified.
14.2 U.N. Class	:	Not classified.
14.3 Transport hazard class:	:	Not classified.
14.4 Packing Group	:	Not classified.
14.5 Environmental Hazards:	:	
Road:- U.K.	:	Not classified.
A.D.R.	:	Not classified.
Sea:- I.M.O.	:	Not classified.
Air:- I.C.A.O.	:	Not classified.

15. Regulatory Information

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

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms	:	GHS07
Signal word	:	Warning
Hazard-determining components of labelling:	:	Void

Hazard statements

H302: Harmful if swallowed.

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Precautionary statements

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U. K. Occupational Exposure Limits:	mg/m ³ 8 hr TWA.	% in product.
Cobalt compounds (as Co)	0.1	6.20

EU directives

Regulation of the European Parliament and of the Council(EC) No 1272/2008 of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and Corrigendum to Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended.

2000/532/EC: Commission Decision of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended.

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances, as amended.

16. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship