

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.03.2015

Revision: 17.03.2015

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

- **1.1 Product identifier**
- **Trade name: SampleKwick Powder**
- **Article number: AGB8786P**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Mounting material for metallographic specimens
- **Application of the substance / the preparation:** No further relevant information
- **Uses advised against** None known.
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier.**  
Agar Scientific  
Elektron Technology UK Ltd  
Parsonage Lane  
Stansted CM24 8GF  
United Kingdom  
sales@agarscientific.com  
Tel: +44 (0) 1279 813 519
- **Further information obtainable from:** Technical Support
- **1.4 Emergency telephone number:** 24 hours: +44 (0)1856 407333

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Skin Sens. 1 H317 May cause an allergic skin reaction.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard-determining components of labelling:**  
dibenzoyl peroxide
- **Hazard statements**  
H317 May cause an allergic skin reaction.
- **Precautionary statements**
  - P101 If medical advice is needed, have product container or label at hand.
  - P102 Keep out of reach of children.
  - P103 Read label before use.
  - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.
  - P272 Contaminated work clothing should not be allowed out of the workplace.
  - P363 Wash contaminated clothing before reuse.
  - P302+P352 IF ON SKIN: Wash with plenty of soap and water.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.03.2015

Revision: 17.03.2015

**Trade name: SampleKwick Powder**



(Contd. of page 1)

- **2.3 Other hazards**  
 Physico-chemical hazards: In the supplied form the product is not explosive at all; however the build-up of fine dust can lead to a risk of dust explosions.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description**  
 No data available
- **Description:** The product is a mixture.

- **Dangerous components:**

CAS: 94-36-0	dibenzoyl peroxide	<2%
INECS: 202-327-6	 Org. Perox. B, H241;  Eye Irrit. 2, H319; Skin Sens. 1, H317	

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Change soaked clothing.
- **After inhalation:**  
 Ensure supply of fresh air.  
 In the event of symptoms seek for medical treatment.
- **After skin contact:**  
 In case of contact with skin wash off immediately with soap and water.  
 Consult a doctor if skin irritation persists.
- **After eye contact:**  
 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.
- **After swallowing:**  
 Seek medical advice immediately.  
 Rinse out mouth and give plenty of water to drink.
- **4.2 Most important symptoms and effects, both acute and delayed** Allergic reactions.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
 Treat symptomatically.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Carbon dioxide. Water spray jet. Dry powder. Foam.
- **For safety reasons unsuitable extinguishing agents:** Full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
 Unknown risk of formation of toxic pyrolysis products.
- **5.3 Advice for firefighters**
- **Protective equipment:** Use self-contained breathing apparatus.

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.03.2015

Revision: 17.03.2015

**Trade name: SampleKwick Powder**

(Contd. of page 2)

· **Additional information**

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation.  
Avoid dust formation.  
Use personal protective equipment.

· **6.2 Environmental precautions:** Do not discharge into the drains/surface waters/groundwater.

· **6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.  
Avoid raising dust.  
Dispose of absorbed material in accordance with regulations.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Provide vacuuming if dust raised.  
Avoid formation and deposition of dust.  
Dust can form an EXPLOSIVE MIXTURE with air.  
Do not drink, smoke or take drugs at work.  
Use barrier skin cream.  
Take off contaminated clothing and wash before reuse.

· **Information about fire - and explosion protection:** No other data available.

· **7.2 Conditions for safe storage, including any incompatibilities**

Keep only in original container.  
Prevent penetration into the ground.  
Keep container tightly closed.  
Keep container in a well-ventilated place.  
Protect from heat/overheating.  
Store in a dry place.  
Do not keep at temperatures above 30°C.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Do not keep at temperatures above 30°C.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** None.

· **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**94-36-0 dibenzoyl peroxide**

WEL	Long-term value: 5 mg/m <sup>3</sup>
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(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.03.2015

Revision: 17.03.2015

**Trade name: SampleKwick Powder**

(Contd. of page 3)

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls** Ensure adequate ventilation at workstation.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Avoid contact with eyes and skin.  
 Do not inhale dust.  
 Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of handled hazardous substances. The resistance of equipment to chemicals should be ascertained with the respective supplier.  
 Take off contaminated clothing and wash before reuse.
- **Respiratory protection:** Not required under normal conditions.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 Butyl rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses.
- **Body protection:** Light protective clothing.
- **Limitation and supervision of exposure into the environment**  
 Prevent penetration into the ground.

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

· <b>Form:</b>	Powder
· <b>Colour:</b>	Various
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.

· <b>pH-value:</b>	Not applicable.
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##### · Change in condition

· <b>Melting point/Melting range:</b>	Undetermined.
· <b>Boiling point/Boiling range:</b>	Undetermined.

· <b>Flash point:</b>	304 °C
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· <b>Flammability (solid, gaseous):</b>	Not determined.
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##### · Ignition temperature:

· <b>Decomposition temperature:</b>	Not determined.
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· <b>Self-igniting:</b>	Not determined.
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(Contd. on page 5)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.03.2015

Revision: 17.03.2015

**Trade name: SampleKwick Powder**

(Contd. of page 4)

· <b>Danger of explosion:</b>	Product does not present an explosion hazard. However, dust can form an explosive mixture with air.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density at 20 °C:</b>	1.25 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>Solids content:</b>	100.0 %
· <b>9.2 Other information</b>	Decomposition temperature >35°C

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No dangerous reactions known if used as directed.
- **10.2 Chemical stability** The product is stable under standard conditions.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
Accumulation of fine dust may entail the risk of dust explosion in the presence of air.
- **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 dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

#### 94-36-0 dibenzoyl peroxide

Oral	LD50	7710 mg/kg (rat)
Inhalative	LC50/4 h	24.3 mg/l (rat)

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitisation:** Sensitisation possible through skin contact.
- **Other information (about experimental toxicology):**  
The toxicity data listed pertaining to the ingredients is intended for those working in medical professions, occupational health and safety experts and toxicologists. The toxicity data was supplied by raw materials manufacturers.

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(Contd. on page 6)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.03.2015

Revision: 17.03.2015

**Trade name: SampleKwick Powder**

(Contd. of page 5)

### SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · Aquatic toxicity:

##### 94-36-0 dibenzoyl peroxide

EC50	2.91 mg/kg (daphnia) (48h)
LC50	2 mg/l (Oncorhynchus mykiss (rainbow trout)) (96h)

- **12.2 Persistence and degradability** No further relevant information available.

- **Other information:** The toxicity data was supplied by raw materials manufacturers.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

##### · Additional ecological information:

##### · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

##### · 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

##### · 12.6 Other adverse effects

No classification based on calculation procedure of the preparation directive.

Ingredients toxicity data was supplied by raw materials manufacturers.

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

##### · Recommendation

Waste material must be disposed of in accordance with Directive on Waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by a customer. The waste code is to be determined within the EU in liaison with waste disposal operator.

##### · Waste disposal key:

Product: 070214\*

Contaminated packaging: 150110\*, 150102

##### · Recommendation:

Coordinate disposal with local authorities if necessary.

Disposal in an incineration plant according to official regulations.

### SECTION 14: Transport information

· 14.1 UN-Number	Void
· 14.2 UN proper shipping name	
· ADR, IMDG, IATA	NO DANGEROUS GOODS
· 14.3 Transport hazard class(es)	Void
· 14.4 Packing group	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.

(Contd. on page 7)

# Safety data sheet

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**Trade name: SampleKwick Powder**

(Contd. of page 6)

- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge and should assist the user with the safe handling of this material when properly applied. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H241 Heating may cause a fire or explosion.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.
- **Recommended restriction of use** Observe employment restrictions for young people.
- **Department issuing MSDS:** Sales department
- **Contact:**  
sales@agarscientific.com  
Tel: +44 (0) 1279 813 519
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Org. Perox. B: Organic Peroxides, Type B  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

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