

SAFETY DATA SHEET Diamond Powder

Date: January 2012

1. IDENTIFICATION OF SUBSTANCES / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifiers

Product Name: Diamond Powder

Alternative names: Synthetic Polycrystalline Diamond Powder, Natural Diamond Powder.

CAS number: 7782-40-3

EC number:

Product code: OCON-276 to OCON-282; 0CON322; 0CON-325; 0CON-328

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

Identified uses: Abrasive lapping or polishing powder.

Uses advised against: This product is to be used only for the purpose stated above.

Details of the supplier of the safety data sheet

Manufacturer: Logitech Ltd

Erskine Ferry Road Old Kilpatrick Glasgow G60 5EU Scotland, UK

Telephone +44 (0) 1389 875444 E-mail coshh.info@logitech.uk.com

Emergency telephone number

+44 (0) 1389 875444 (09:00 – 17:00 Monday to Friday)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

This material is a substance

Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:

Not classified as hazardous

Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC

Not classified as dangerous

Label elements

Labelling elements according to Regulation (EC) 1272/2008 (EU 'CLP' regulation)

No labelling required under these regulations

Labelling elements according to CHIP and EU Directives 67/548/EEC or 1999/45/EC

No labelling required under these regulations

Other hazards

High levels of dust may be irritating to the eyes, respiratory tract or may cause skin irritation by mechanical action.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This material is a substance.

There are no hazardous substances present at or above threshold limits:

Component	CAS No.	EC No.	%
Diamond Powder	7782-40-3		>99
(carbon)			
Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC:			
Not classified as dangerous			

Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:

Not classified as hazardous

4. FIRST AID MEASURES

Description of first aid measures

General advice

Remove from source of exposure. This product is not chemically reactive. Any health effects from exposure are likely to be due to mechanical action.

Inhalation

Move person to fresh air, blow nose thoroughly. If person experiences irritation or difficulty breathing seek medical advice

Ingestion

Drink plenty of water. If person experiences discomfort seek medical advice

Skin contact

Wash area with soap and water then rinse thoroughly with water. If person experiences continued irritation seek medical advice

Eve contact

Wash out with plenty of water. After initial flushing, remove any contact lenses and continue flushing.

Seek medical advice in the event of continued irritation or other complaints.

Most important symptoms and effects, both acute and delayed

No specific effects and/or symptoms have been reported or are known.

Indication of any immediate medical attention and special treatment needed None

5. FIRE-FIGHTING MEASURES

Extinguishing media

Product is will burn.

Suitable extinguishing media: Water spray, sand, extinguishing powder, CO2.

Unsuitable extinguishing media: None

Special hazards arising from the substances or mixture

The product will produce carbon dioxide and carbon monoxide in a fire situation.

Advice for fire fighters

No special precautions required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minimise contact with skin and eyes (may cause irritation by mechanical action)

Environmental precautions

Minimise release to environment. This product is not environmentally harmful but release to the environment must not be considered as a disposal route.

Methods and material for containment and cleaning up

Dampen spillage with water to minimise dust generation, then sweep up and place in a container for disposal.

Remove final residues with wet cloths or rinse to foul sewer with water

Reference to any other sections

See section 13 for disposal information

7. HANDLING AND STORAGE

Precautions for safe handling:

Take precautions to minimise the generation of airborne dust.

Provide adequate ventilation

Avoid breathing airborne dust.

Minimise skin and eye contact to prevent irritation by mechanical action...

Conditions for safe storage, including any incompatibilities

No special requirements

Specific end use(s)

None identified

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits:

The UK Workplace Exposure Limit (WEL) for general (nuisance) dust applies to this material:

Inhalable dust LTEL 10 mg/m3 (8 hr TWA)
Respirable dust LTEL 4 mg/m3 (8 hr TWA)

Other exposure limits may be specified in individual countries. Check national legislation for appropriate exposure limits.

Exposure should be controlled to avoid exceeding the specified limits.

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available

Exposure controls

Appropriate engineering controls

Use ventilation (natural or forced) or extraction to reduce dust exposure to below the exposure limit.

Personal protective equipment

If the exposure limit is exceeded or users experience irritation or discomfort then the use of PPE may be necessary:

Eye / face protection

EN approved safety glasses with side shields or (preferred) box goggles.

Skin protection:

Wear any gloves that provide a barrier to powder contact. Replace gloves before the inner surface becomes contaminated with the powder.

Wear long sleeved clothing.

Respiratory protection:

Wear an EN149 approved respirator fitted with a particle filter (filter type P1, P2 or P3).

The correct selection, fitting, use, storage and maintenance of respiratory protective equipment is important. Follow manufacturer's recommendation or seek expert advice. HSE document HSG 53 provides some guidance

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemicals properties

Appearance: Fine powder – colour may vary: white, green, grey

Odour: None

Odour threshold: not applicable

pH: information not available

Melting point: >3000 °C

Boiling point: information not available Flash point: information not available

Evaporation rate not applicable

Flammability information not available Upper/lower information not available

explosive limits

Vapour pressure information not available vapour density information not available information not available information not available solubility in water:

Solubility in other

Ingredients: information not available

Partition coefficient

Octanol/water:
Auto-ignition temperature
Decomposition temperature
Viscosity
Explosion properties:
information not available information not available information not available information not available

Oxidising properties: Not oxidising.

Other information

No additional data available

10. STABILITY AND REACTIVITY

Reactivity

Not reactive to materials commonly used in the transportation, handling and storage.

Chemical stability

Stable at room temperature.

Possibility of hazardous reactions

No hazardous reactions known

Conditions to avoid

None identified

Incompatible materials

None identified

Hazardous decomposition products

None identified

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity no data available.
Skin corrosion/irritation no data available.
Serious eye damage/ eye irritation no data available.
Respiratory or skin sensitisation no data available.
Germ cell mutagenicity no data available.

Carcinogenicity no evidence of carcinogenicity.

Reproductive toxicity no data available.

Specific target organ toxicity

Single exposure no data available.

Specific target organ toxicity

Repeated exposure no data available.Aspiration hazard no data available

Further information

See RTECS entry for complete information.

Skin and eye irritation possible by mechanical action.

12. ECOLOGICAL INFORMATION

Toxicity

Acute toxicity for fish no data available
Acute toxicity for crustacea no data available
Acute toxicity for algae no data available

Persistence and biodegradability

Data not available.

Bioaccumulative potential

Data not available. Not expected to be bioaccumualtive.

Mobility in Soil

Data not available.

Results of PBT and vPvB assessment

No components are classified as PBT or vPvB.

Other adverse effects

Data not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Dispose of product as non-hazardous waste in accordance with local, national and international legislation, using an approved registered waste disposal company.

The European Waste Code will depend upon the use of the product and cannot be specified here.

Packaging

Clean or contaminated packaging can be disposed of as general waste: European Waste Code 15 01 xx (xx will depend upon the type of packaging e.g. plastic, cardboard etc. Refer to European Waste Catalogue).

14. TRANSPORT INFORMATION

UN number

Not a dangerous good

UN proper shipping name

Not a dangerous good

Transport hazard class(s)

Not a dangerous good

Packing group

Not a dangerous good

Environmental hazards

Not a dangerous good

Special precautions for user

None identified

Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code

No information available

15. REGULATORY INFORMATION

This Safety Data Sheet has been prepared in accordance with the requirements of regulation (EC) No 1907/2006 as amended by regulation (EU) No 453/2010.

Workplace exposure Limits given in section 8 have been taken from the UK HSE document: EH40/2005 Workplace exposure limits as amended.

Relevant regulations:

Regulation (EC) 1272/2008 (EU 'CLP' regulation)

Regulation (EC) 790/2009 First Adaptation to Technical Progress (ATP) for CLP regulation

Regulation (EC) 286/2011 Second Adaptation to Technical Progress (ATP) for CLP regulation

EU Directive 67/548/EEC ('Dangerous Substances Directive')

Regulation (EC) No 1907/2006 ('REACH')

Regulation (EU) No 453/2010.

Safety, health and environmental regulations/legislation specific for the substance or mixture None identified

Chemical safety assessment

A Chemical Safety Assessment has not been undertaken for this product.

16. OTHER INFORMATION

Changes from previous version (version 2):

- a) Section 1 Additional product identifier information provided
- b) Section 2 Labelling information now provided in accordance with both CHIP and CLP regulations

The information contained in the Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, storage, transportation and disposal. It is not intended as a warranty or specification. The information relates only to the product specified and may not be suitable for combinations with other materials.