SAFETY DATA SHEET

Date: January 2012

Dressing stone

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

Product Identifiers

Product Name: **Dressing Stone**

Product code: OCON-235

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

Identified uses: Abrasive stone / wheel for grinding / polishing samples.
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 product is an article containing a mixture of substances.

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

In use, the dressing stone may wear and generate dust, the level of dust generated will depend upon various factors:

- The use of a coolant will suppress dust formation.
- Hand held use of the abrasive stone will generate very little dust: use in a high speed rotating device will generate higher levels of dust.

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

Although there is a very small % or respirable crystalline silica (RCS) present it is fully bonded into the vitrified matrix and cannot be readily inhaled. Dust generate during grinding operations may contain trace amounts of RCS.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is an article containing a mixture of substances.

The product contains abrasive materials embedded in a vitrified matrix.

Component	CAS No.	EC No.	%
Aluminium Oxide	**1344-28-1**		
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 dangerous			
Amorphous Silica (fused)			
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 dangerous			
Respirable Crystalline Silica			**<0.5**
Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC: Xn Harmful R20 Harmful by inhalation			
Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended: Acute toxicity–inhalation Category 4 H332 Harmful if inhaled			

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

Eye 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 not flammable.

Use extinguishing medium appropriate to surroundings

Special hazards arising from the substances or mixture
The product will not produce chemically hazardous substances in a fire situation.

Advice for fire fighters
No special precautions required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Minimise skin and eye contact with dust (may cause irritation by mechanical action)
Avoid breathing dust

Environmental precautions
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 dust with water 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 to prevent excessive airborne dust build-up.
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)

A WEL exists for Respirable Crystalline Silica (RCS)

Respirable dust	LTEL	0.1 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 P2 or P3) suitable for use with dust particle in the respirable size range.
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:	Solid block – different colours possible
Odour:	None
Odour threshold:	not applicable
pH:	information not available
Melting point:	> 1000 ^{o}C
Boiling point:	information not available
Flash point:	not applicable – non flammable
Evaporation rate	not applicable
Flammability	not applicable
Upper/lower explosive limits	not applicable – non flammable / non explosive
Vapour pressure	information not available
Vapour density	information not available
Density	information not available
Solubility in water:	Insoluble in water.
Solubility in other Ingredients:	information not available
Partition coefficient Octanol/water:	information not available
Auto-ignition temperature	not applicable – non flammable / non explosive
Decomposition temperature	information not available
Viscosity	information not available
Explosion properties:	not applicable – non flammable / non explosive
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 data available.
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.

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.

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

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.