

SAFETY DATA SHEET

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

1.1. Product identifier

Product name Bone Ash (Water-ground)
Product number P3305
Synonyms Tri-Calcium Phosphate. TCP.
Reach Number 05-2116457329-36-0000

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

Identified uses As a flux in Ceramic bodies and glazes.

1.3. Details of the supplier of the safety data sheet

Supplier Pottery crafts Ltd.,
Campbell Road,
Stoke on Trent,
Staffordshire.
ST4 4ET
Tel 44 (0)1782 745000
sales@pottery crafts.co.uk

1.4. Emergency telephone number

Emergency telephone +44(0) 1782 745000 Office hours

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Irritant cat 2 – H315 & H319
Environmental hazards Not Classified

2.2. Label elements

Label in Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard statements H302 Harmful if Swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 Dry dust may cause respiratory irritation.

Precautionary statements P260 Do not breathe dust

P280 Wear protective gloves/eye protection
P301/314 If swallowed get medical advice/attention if you feel unwell

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Substances

Mineralogical : The major component is hydroxyapatite with a small amount of alkaline earths oxide or their natural derivatives.

	CAS No.	EINECS	REACH No.
Bone Ash	68439-86-1	2704235	05-2116457329-36-0000

Chemical : A typical XRF analysis by an independent UKAS accredited laboratory is shown in the appropriate appendix SDS-WBA

Physical Supplied as a semi-dry noodle having a nominal solids content of 86-88%.

Composition comments The product is produced from animal bi-products that are fit for human consumption. This product is considered non-hazardous and does not contain hazardous components.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Remove to fresh air.

Ingestion Wash out mouth thoroughly with water. Drink plenty of water.
If any symptoms develop seek medical advice.

Skin contact Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact Wash with copious amounts of clean water.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Protective actions during firefighting N/A

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect spillage with a shovel and broom, or similar and reuse, if possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Do not eat, drink or smoke when using the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep in a cool place. Do not allow to freeze

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Name	STD	TWA-8 Hrs	STEL 15 Mins	Notes
Inorganic Dust	WEL	4mg/m ³ resp dust		
Kaolin	WEL	2mg/m ³		
Quartz	WEL	0.1mg/m ³		

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Engineering measures

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

Respiratory equipment

In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European or national legislation.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. PVC or rubber gloves are recommended.

Eye protection

Use eye protection. Goggles/face shield are recommended. Contact lenses should not be worn when working with this product.

Hygiene measures

When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use the appropriate skin cream to prevent drying skin.

Skin Protection

No specific requirement. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Moist powder
Colour	White.
Odour	Odourless.
pH	pH (diluted solution): 13
Solubility(ies)	Insoluble in water.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended. Material will lose water by evaporation.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

Not relevant.

10.4. Conditions to avoid

Conditions to avoid

Not relevant.

10.5. Incompatible materials

Materials to avoid

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition Products

No known hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General information

This product has low toxicity. Only large volumes may have adverse impact on human health.

Inhalation

Dust in high concentrations may irritate the respiratory system.

Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

Skin contact

Prolonged contact may cause dryness of the skin.

Eye contact

Particles in the eyes may cause irritation and smarting.

SECTION 12: Ecological Information

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability The product contains only inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

14.2. UN proper shipping name

14.3 Transport Hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations Health and Safety at Work etc. Act 1974 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation Dangerous Substances Directive 67/548/EEC.
Dangerous Preparations Directive 1999/45/EC.
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) (as amended).

Guidance Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.

15.2. Chemical safety assessment

Not classified as dangerous to supply. The dry product can be regarded as an alkaline irritant.

SECTION 16: Other information

Issued by Product Regulations Dept

Revision date 2/09/2015

Revision 2

Supersedes date 11/06/2015

SDS number 002

SDS status Approved.

Hazard statements in full

H302	Harmful if swallowed
H315	Causes skin irritation.
H319	Causes serious eye irritation
H335	May cause respiratory irritation.

Disclaimer.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.