

SAFETY DATA SHEET

4 TRADE ALL PURPOSE POWDER FILLER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name 4 TRADE ALL PURPOSE POWDER FILLER 1.8KG
REACH Registration notes Registration number is not applicable as this is a mixture.

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

Identified uses FOR USE AS A GENERAL PURPOSE FILLER
Uses advised against Not to be used for making casts of body parts, because during setting the product may heat up causing skin burns.

1.3. Details of the supplier of the safety data sheet

Supplier SIROFLEX LTD
DODWORTH BUSINESS PARK
DODWORTH BARNSELEY
SOUTH YORKSHIRE S75 3SP
01226 771600
01226 771601
info@siroflex.co.uk

1.4. Emergency telephone number

01226 771600 (Office Hours Only)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

Classification (1999/45/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

May irritate eyes. Prolonged skin contact may cause temporary irritation. Dust has an irritating effect on moist skin. Liberated dust may irritate throat and respiratory system and cause coughing.

2.2. Label elements

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

No pictogram required.

2.3. Other hazards

WARNING - DO NOT attempt to make a cast of any body parts such as hands or fingers. This product gives off heat when mixed with water for setting, which may result in serious skin burns if used for casting body parts.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

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CALCIUM MAGNESIUM CARBONATE		30-60%
CAS-No.: 16389-88-1	EC No.: 240-440-2	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
Calcium Sulphate Hemihydrate		30-60%
CAS-No.: 26499-65-0	EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
CITRIC ACID		< 1%
CAS-No.: 77-92-9	EC No.: 201-069-1	Registration Number: 01-2119457026-42-XXXX
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36/38.	
VINYL ACETATE		< 1%
CAS-No.: 108-05-4	EC No.: 203-545-4	
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

REACH Registration notes

Registration number is not applicable as this is a mixture.

Composition Comments

A specially formulated filler containing gypsum minerals, plaster, calcium magnesium carbonate and binders with no known hazardous ingredients in quantities greater than those laid down in the EU and UK chemicals legislation.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

In all cases of doubt or when symptoms persist, seek medical advice.

Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Remove victim immediately from source of exposure. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Get medical attention if any discomfort continues.

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

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General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation.

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Ingestion

Due to the physical nature of this material it is unlikely that swallowing will occur. May cause discomfort if swallowed.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Irritating and may cause redness and pain.

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

No specific chemical antidote is known to be required after exposure to this product. Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

No hazardous decomposition products.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Not relevant

5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace. This product poses no fire-related hazards. No need for special protective equipment for fire fighters.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge into drains. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

For waste disposal, see section 13. Avoid dry sweeping which creates dust. Spray with water to prevent airborne dust. Sweep or shovel up and transfer into suitable receptacles for disposal.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards.

Collect and dispose of spillage as indicated in section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Avoid inhalation of high concentrations of dust. Use mechanical ventilation in case of handling which causes formation of dust. Wear full protective clothing for prolonged exposure and/or high concentrations. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

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7.2. Conditions for safe storage, including any incompatibilities

Do not store for long periods or in large quantities. Packages should be stored in a dry well ventilated area, ensure packages are tightly closed when not in use.

Storage Class

Unspecified storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

Ensure adequate ventilation of work area and prevent build up of dust. If this is not possible then suitable extraction should be employed near to the emission point. Always follow on pack instructions regarding mixing ratios. Keep containers closed when not in use. Keep out of reach of children. When sanding cured product avoid prolonged inhalation of dust, if it is expected that sanding will be required for long period the use of a dust mask is recommended. See section 8.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
CALCIUM MAGNESIUM CARBONATE	WEL		10 mg/m ³			
Calcium Sulphate Hemihydrate	WEL		10 mg/m ³			
CITRIC ACID	WEL		10 mg/m ³			
VINYL ACETATE	WEL	10 ppm	36 mg/m ³	20 ppm	72 mg/m ³	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

No DNEL data is available for the constituents of this product.

No PNEC data is available for the constituents of this product.

CALCIUM MAGNESIUM CARBONATE (CAS: 16389-88-1)

No DNEL data available for this substance.

No PNEC data available for this substance.

CITRIC ACID (CAS: 77-92-9)

No DNEL data available for this substance.

No PNEC data available for this substance.

8.2. Exposure controls

Process conditions

Use engineering controls to reduce air contamination to permissible exposure level.

Engineering measures

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust. No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

Respiratory equipment

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m³. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. Gloves of nitrile rubber, PVA or Viton are recommended.

Eye protection

Where there is a risk of splashes to the eyes it is recommended that safety glasses/goggles approved to EN166 standard are worn.

Other Protection

Wear general workwear

Hygiene measures

Wash hands after contact. Use appropriate skin cream to prevent drying of skin. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

Skin protection

Wash hands after use and wash off any filler that comes into contact with skin before it sets.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Powder, dust
Colour	White / off-white.
Odour	No characteristic odour.
Solubility	Soluble in water.
Initial boiling point and boiling range	
Not relevant	
Melting point (°C)	
Not relevant	
Relative density	
Not relevant	
Vapour density (air=1)	
Not relevant	
pH-Value, Diluted Solution	6.5 - 7.8 280gms powder - 120gms water
Viscosity	2600 - 3800 (T-F/Spd 10)
	Concentration ratio 280g Powder to 120g water.
Flash point	Non Flammable
Explosive properties	
Not Explosive	
Scientifically unjustified.	
Solid/Liquid Ignition On Contact With Air.	
No	
Oxidising properties	
Not applicable.	
Not oxidising (based on the chemical structure of the substance and the oxidation states of the constituents elements).	
Comments	Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

9.2. Other information

Volatility Description	Not Applicable
Volatile By Vol. (%)	
Not applicable.	
Critical Temperature (°C)	
Not applicable.	
Volatile Organic Compound (VOC)	0 g/litre
	Scientifically unjustified.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not applicable.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

The product will harden into a hard mass in contact with water and moisture.

10.5. Incompatible materials**Materials To Avoid**

No incompatible groups noted.

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10.6. Hazardous decomposition products

None under normal conditions. Fire creates: Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

There is no data for the product as a whole. The product has been assessed following the conventional method and is classified for toxicological hazards accordingly. The data for the hazardous constituents is shown below.

Carcinogenicity:

Does not contain any substances known to be carcinogenic.

Aspiration hazard:

No known effect based on information supplied.

Inhalation

Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.

Ingestion

The swallowing of small amounts of filler powder or any powder/water mixtures is unlikely to cause any significant reaction. Larger doses may result in irritation to the gastrointestinal tract.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

Particles in the eyes may cause irritation and smarting.

Health Warnings

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

Route of entry

Inhalation. Ingestion. Skin and/or eye contact.

Target Organs

Gastro-intestinal tract Eyes Skin Respiratory system, lungs

Medical Symptoms

Irritation of eyes and mucous membranes.

Medical Considerations

Skin disorders and allergies.

Specific effects

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Toxicological information on ingredients.

VINYL ACETATE (CAS: 108-05-4)

CALCIUM MAGNESIUM CARBONATE (CAS: 16389-88-1)

Toxicological information

Data supplied below comes from the manufacturers SDS.

Acute toxicity:

Acute Toxicity (Oral LD₅₀)

> 5000 mg/kg Rat

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CITRIC ACID (CAS: 77-92-9)

Acute toxicity:

Acute Toxicity (Oral LD50)

~ 11700 mg/kg Rabbit

Calcium Sulphate Hemihydrate (CAS: 26499-65-0)

Toxicological information

This substance is non toxic.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Ecological information on ingredients.

CALCIUM MAGNESIUM CARBONATE (CAS: 16389-88-1)

Ecotoxicity

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

CITRIC ACID (CAS: 77-92-9)

Ecotoxicity

There are no data on the ecotoxicity of this product.

Calcium Sulphate Hemihydrate (CAS: 26499-65-0)

Ecotoxicity

No data on possible environmental effects have been found.

12.1. Toxicity

There is no data for the product as a whole. The toxicological data for the hazardous ingredients is shown below:

Acute Fish Toxicity

Not considered toxic to fish.

Ecological information on ingredients.

CALCIUM MAGNESIUM CARBONATE (CAS: 16389-88-1)

Non-Toxic, the product dissociates readily into its constituent ions, all of which are abundant in nature.

No data available from the substance manufacturer.

No data available from the substance manufacturer.

CITRIC ACID (CAS: 77-92-9)

Acute Toxicity - Fish

LC50 96 hours ~ 440-706 mg/l *Leuciscus idus* (Golden orfe)

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

Ecological information on ingredients.

CALCIUM MAGNESIUM CARBONATE (CAS: 16389-88-1)

Degradability

The product is not biodegradable.

Biodegradation

Not available.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is partly miscible with water and may spread in the aquatic environment.

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12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

Ecological information on ingredients.

CALCIUM MAGNESIUM CARBONATE (CAS: 16389-88-1)

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Dispose of on site landfill area. Powder to be collected, sealed tightly in bags and disposed on approved landfills.

Waste Class

10 13 06 particulates and dust (except 10 13 12 and 10 13 13) Completely empty the packaging and process it according to local legislation.

EWC entry: 15 01 01 (waste paper and cardboard packaging).

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation 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)

Transport Labels

No transport warning sign required.

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

Uk Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Environmental Listing

Control of Pollution Act 1974.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108). Introduction to Local Exhaust Ventilation HS(G)37.

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EU Legislation

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), 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, including amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40) Health and Safety at Work Act (As Amended) 1974 Control of Substances Hazardous to Health Regulations 2002 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007). 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, including amendments. Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General information

Only trained personnel should use this material. When surfaces are to be prepared for painting account must be taken of the age of the property and the possibility that lead may be present. As a working rule you should assume that this will be the case if the age of the property is pre 1960. Where possible wet flattening or chemical stripping methods should be used with surfaces of this type to avoid the formation of lead dust.

Training Advice

The information on directions for use can be found on the product label. It is important to ensure that anyone using this product in the workplace has been adequately trained and in particular: The use of personal protective equipment. methods of cleaning up and disposal of waste. The basic first aid arrangements.

Revision Date 12/06/2014

Revision 1

Risk Phrases In Full

R11	Highly flammable
R36/38	Irritating to eyes and skin.
NC	Not classified.

Hazard Statements In Full

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H225	Highly flammable liquid and vapour.

Disclaimer

The information contained in this data sheet is provided in accordance with the requirements of the Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) The product should not be used for purposes other than those shown in Section 1.2. As the specific conditions of use are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present knowledge and the current EC and UK Legislation. It provides guidance on health, safety and environmental aspects of the product and should not be taken as a product specification. , 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.