

# USG® ACOUSTICAL PLASTER FINISH

## 1. IDENTIFICATION

### Product identifier

USG® Acoustical Plaster Finish

### Synonyms

Plaster Finish

### Recommended use

Interior use.

### Recommended restrictions

Use in accordance with manufacturer's recommendations.

### Manufacturer / Importer / Supplier / Distributor information/Company name

USG Middle East Ltd

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## 2. HAZARD(S) IDENTIFICATION

### Physical hazards

Not classified.

### Health hazards

Not classified

### OSHA defined hazards

Not classified.

### Label elements

Danger

#### Hazard symbol

None.

#### Signal word

None.

#### Hazard statement

None.

#### Precautionary statement

##### Prevention

Observe good industrial hygiene practices.

##### Response

Get medical attention/advice if you feel unwell.

##### Storage

Store as indicated in Section 7.

##### Disposal

Dispose of in accordance with local, state, and federal regulations.

#### Hazard(s) not otherwise classified (HNOC)

None known.

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

### Mixtures

Chemical name	CAS number	%
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1)	26499-65-0	> 80
Perlite	93763-70-3	< 5
Zinc diethyldithiocarbamate	137-30-4	< 0.1

### Composition comments

All concentrations are in percent by weight unless ingredient is a gas.

#### 4. FIRST-AID MEASURES

##### Inhalation

Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

##### Skin contact

Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists.

##### Eye contact

Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical attention immediately.

##### Ingestion

Plaster of Paris hardens and if ingested may result in stomach and intestinal blockage. Drinking gelatin solutions or large volumes of water may delay setting. Get medical attention if symptoms occur.

##### Most important symptoms/effects, acute and delayed

Under normal conditions of intended use, this product is not expected to be a health risk. Dust may irritate throat and respiratory system and cause coughing.

##### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

##### General information

Ensure that medical personnel are aware of the material(s) involved.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

##### Unsuitable extinguishing media

Not applicable.

##### Specific hazards arising from the substance or mixture

Not a fire hazard.

##### Special protective equipment and precautions for firefighters

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the hazards of other involved materials.

##### Firefighting equipment/instructions

Use standard firefighting procedures and consider the hazards of other involved materials.

##### Specific methods

Cool material exposed to heat with water spray and remove it if no risk is involved.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

See Section 8 of the SDS for Personal Protective Equipment.

##### Methods and materials for containment and cleaning up

Vacuum up the spilled material. Vacuums used for this purpose should be equipped with HEPA filters.

Containers must be labeled. Collect in approved containers and seal securely. For waste disposal, see Section 13 of the SDS.

##### Environmental precautions

Avoid discharge to drains, sewers, and other water systems.

#### 7. HANDLING AND STORAGE

##### Precautions for safe handling

Minimize dust production when mixing, or opening and closing bags. Avoid inhalation of dust. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices and use appropriate lifting techniques.

##### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place. Store away from incompatible materials.

Avoid contact with acids, water, and moisture.

#### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

##### Occupational exposure limits US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	PEL	5 mg/m <sup>3</sup> 15 mg/m <sup>3</sup>	Respirable fraction. Total dust.

##### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
Perlite (CAS 93763-70-3)	TWA	5 mg/m <sup>3</sup>	Respirable.
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	10 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	Total. Respirable.

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimize the risk of exposure.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear approved safety goggles.

**Skin protection**

**Hand protection**

It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves.

**Other**

Normal work clothing (long sleeved shirts and long pants) is recommended.

**Respiratory protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

**Thermal hazards**

None.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment separately from regular wash. Observe any medical surveillance requirements.

**Appearance**

**Physical state**

Solid.

**Form**

Powder.

**Color**

White to off-white.

**Odor**

Low to no odor.

**Odor threshold**

Not applicable.

**pH**

6-8

**Melting point/freezing point**

Not applicable.

**Initial boiling point and boiling range**

Not applicable.

**Flash point**

Not applicable.

**Evaporation rate**

Not applicable.

**Flammability (solid, gas)**

Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)**

Not applicable.

**Flammability limit - upper (%)**

Not applicable.

**Explosive limit - lower (%)**

Not applicable.

**Explosive limit - upper (%)**

Not applicable.

**Vapor pressure**

Not applicable.

**Vapor density**

Not applicable.

**Relative density**

1.7 - 2.1 (H<sub>2</sub>O=1)

**Solubility(ies)**

**Solubility (water)**

0.15-0.40 g/100g (H<sub>2</sub>O)

**Partition coefficient (n-octanol/water)**

Not applicable.

**Auto-ignition temperature**

Not applicable.

**Decomposition temperature**

1450 °C

**Viscosity**

Not applicable.

## 10. STABILITY AND REACTIVITY

### Other information

**Bulk density**

160 - 320 kg/m<sup>3</sup>

**Particle size**

Varies.

**VOC (Weight %)**

0 %

**Reactivity**

Not available.

**Chemical stability**

Material is stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous polymerization does not occur.

**Conditions to avoid**

When mixed with water this product can become very hot. Encasing or making molds of any body part can cause serious burns that may require surgical removal of affected tissue and even amputation of encased body part.

**Incompatible materials**

Acids. Exposure to water and acids must be supervised because the reactions are vigorous and produce large amounts of heat.

**Hazardous decomposition products**

Calcium oxides. Sulfur oxides. Magnesium oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Ingestion**

Ingestion may cause irritation and stomach discomfort.

**Inhalation**

Airborne dust may irritate throat and upper respiratory system causing coughing.

**Skin contact**

Under normal conditions of intended use, this product does not pose a skin hazard.

**Eyes contact**

Direct contact with airborne particulates may cause temporary irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**

Dust may irritate eyes and mucous membranes of the nose, throat and upper respiratory system causing sneezing and/or coughing.

**Information on toxicological effects acute toxicity**

Not expected to be a hazard under normal conditions of intended use.

Components	Species	Test Results
Zinc dimethyldithiocarbamate (CAS 137-30-4)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	0.081 mg/l, 4 Hours
<i>Oral</i>	Guinea pig	100 mg/kg
LD50	Rabbit	100 mg/kg
	Rat	320 mg/kg
<i>Other</i>	Mouse	17 mg/kg
LD50	Rat	23 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**

Not a skin irritant.

**Serious eye damage/eye irritation**

Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization****Respiratory sensitization**

Not expected to cause respiratory sensitization based on non-skin sensitization history.

**Skin sensitization**

Not a skin sensitizer. Plaster of Paris has displayed little sensitization potential.

**12. ECOLOGICAL INFORMATION**

**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**

This material is not classified as a carcinogen by IARC, ACGIH, NTP or OSHA.

**Reproductive toxicity**

Not expected to be a reproductive hazard.

**Specific target organ toxicity-single exposure**

No data available, but none expected.

**Specific target organ toxicity-repeated exposure**

No data available, but none expected.

**Aspiration hazard**

Due to the physical form of the product it is not an aspiration hazard.

**Chronic effects**

Prolonged exposure may cause chronic effects.

**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.

Components	Type	Value
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0) <b>Aquatic</b> Fish	LR50 Fathead minnow (Pimephales promelas)	> 1970 mg/l, 96 hours

Components	Type	Value
Zinc diethyldithiocarbamate (CAS 137-30-4) <b>Aquatic</b> Fish	LC50 Bluegill (Lepomis macrochirus)	0.0097 mg/l, 96 hours

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

Bioaccumulation is not expected.

**Partition coefficient n-octanol / water (log Kow)**

Zinc diethyldithiocarbamate (CAS 137-30-4) 1.23

**Mobility in soil**

No data available.

**Other adverse effects**

None expected.

**13. DISPOSAL CONSIDERATIONS**

**Disposal instructions**

Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.

**Local disposal regulations**

Dispose of in accordance with local regulations.

**Hazardous waste code**

Not regulated.

**US RCRA Hazardous Waste P List:**

Rat

**Reference**

Zinc dimethyldithiocarbamate (CAS 137-30-4)

P205

**Waste from residues / unused products**

Dispose of in accordance with local regulations.

**Contaminated packaging**

Dispose of in accordance with local regulations.

**14. TRANSPORT INFORMATION**

**DOT**

Not regulated as a hazardous material

**IATA**

Not regulated as a dangerous good.

**IMDG**

Not regulated as dangerous goods.

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

Not applicable. This product is a solid. Therefore, bulk transport is governed by IMSBC code.

**15. REGULATORY INFORMATION**

**Saudi Arabian Inventory of Chemical Substance:**

CAS #	26499-65-0	Plaster of Paris
CAS #	10034-76-1	Calcium Sulfate Hemihydrate
CAS #	93763-70-3	Perlite
CAS #	137-30-4	Zinc Diethyldithiocarbamate

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Issue date**

1-July-2018

**Revision date**

1-December-2022

**Version #**

02

**Further information**

Crystalline silica: Raw materials in this product may contain respirable crystalline silica. Actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer.

Plaster of Paris: Is classified as a hazardous substance but is generally considered a safe material for routine use. When plaster of Paris is used responsibly it is not considered as a dangerous material. However, when mixed with water this product can become very hot. DO NOT attempt to make a cast enclosing any part of the body. Encasing any body part can cause serious burns and even amputation of the encased body part.

Zinc dimethyldithiocarbamate (Ziram): In concentrations <0.1% Ziram is dangerous for the environment. Environmental exposure may cause long-term adverse effects in aquatic ecosystems.

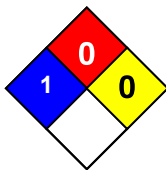
**NFPA Ratings:**

Health: 1

Flammability: 0

Physical hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe



**Disclaimer**

This information is provided without warranty. The information is believed to be correct.

This information should be used to make an independent determination of the methods to safeguard workers and the environment.

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