


USG® Plaster Bonding Agent Clear

1. Identification

| | | |
|---|--|--|
| Product identifier | USG® Plaster Bonding Agent Clear | |
| Synonyms | Sealer | |
| Recommended use | Interior use. | |
| Recommended restrictions | Use in accordance with manufacturer's recommendations. | |
| Manufacturer/Importer/Supplier | USG Middle East Ltd | |
| Distributor information/Company name | 7410 (WASIL) Street #23, Cross 76 (Right) Second Industrial City Dammam 34326 - 4201, Kingdom of Saudi Arabia Tel: +966 13 812 0995 / Fax: +966 13 812 1029 E-mail: info@usgme.com Website: https://www.usgboral.com/en_me/ | |

2. Hazard(s) identification

| | | |
|--|--|---------------------|
| Physical hazards | Not classified. | |
| Health hazards | Sensitization, skin | Category 1 |
| | Specific target organ toxicity, repeated exposure | Category 2 (Kidney) |
| OSHA defined hazards | Not classified. | |
| Label elements | | |
| Hazard symbol |  | |
| Signal word | Danger | |
| Hazard statement | May cause an allergic skin reaction. May cause damage to organs (Kidney) through prolonged or repeated exposure. | |
| Precautionary statement | | |
| Prevention | Do not breathe mist or vapor. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. | |
| Response | If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. | |
| Storage | Store away from incompatible materials. | |
| 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 | % |
|------------------------------|------------|---------|
| Ethylene glycol | 107-21-1 | <3 |
| 1,2-Benzisothiazol-3(2H)-one | 2634-33-5 | < 0.025 |

| Chemical name | CAS number | % |
|---|------------|---------|
| 2-Methyl-4-isothiazol-3-one | 107-21-1 | < 0.005 |
| 5-Chloro-2-methyl-2H-isothiazolo 26172-55-4 < 0.005 1-3-one | 2634-33-5 | < 0.005 |

Composition comments

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

4. First-aid measures**Inhalation**

Exposure to mists may cause temporary irritation to eyes, skin, nose, throat, and upper respiratory tract. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

Skin contact

Rinse area with plenty of water. Get medical attention if irritation develops and persists.

Eye contact

Do not rub eyes. Flush thoroughly with water. If burning, redness, itching, pain, or other symptoms develop or persist get medical attention.

Ingestion

Rinse mouth. Get medical attention if any discomfort occurs.

Most important symptoms/effects, acute and delayed

Under normal conditions of intended use, this product is not expected to be a health risk. Overexposure is highly unlikely at concentrations present in this product.

Indication of immediate medical attention and special treatment needed
General information

Provide general supportive measures and treat symptomatically.
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 chemical

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.

Fire fighting 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

Prevent entry into confined areas or water systems. Dilute with water and mop or wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Dispose of waste according to local regulations.

Environmental precautions

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

7. Handling and storage**Precautions for safe handling**

Minimize exposure to mists. In case of insufficient ventilation, wear suitable respiratory equipment. Observe good industrial hygiene practices. Use proper lifting techniques.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry place. Store in a closed container away from incompatible materials, food, or drinking water. Protect from moisture. Keep away from heat. Do not use if material has spoiled, i.e., there is a moldy appearance or an unpleasant odor. Keep containers closed when not in use.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|--------------------------------|---------|-----------------------|----------|
| Ethylene glycol (CAS 107-21-1) | Ceiling | 100 mg/m ³ | Aerosol. |

Biological limit values

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

Exposure guidelines

No exposure standards allocated.

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.

9. Physical and chemical properties

Appearance

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|--|--------------------|
| Physical state | Liquid. |
| Form | Acrylic emulsion. |
| Color | Gray to off-white. |
| Odor | Slight acrylic. |
| Odor threshold | Not applicable. |
| pH | 8.5 - 9.5 |
| Melting point/freezing point | 32 °F (0 °C) |
| Initial boiling point and boiling range | 212 °F (100 °C) |
| 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 | Same as water. |
| Relative density | 1 - 1.2 (H ₂ O=1). |
| Solubility(ies) | |
| Solubility (water) | Soluble in water. |
| Partition coefficient (n-octanol/water) | Not applicable. |
| Auto-ignition temperature | Not applicable. |
| Decomposition temperature | Not applicable. |
| Viscosity | Not applicable. |
| Other information | |
| Bulk density | 7.8 - 8.5 lb/gal |
| VOC (Weight %) | 39.7 g/l (EPA Method 24) |

10. Stability and reactivity

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|---|--|
| Reactivity | Not available. |
| Chemical stability | Stable at normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | None known.. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | Spray mist may irritate the respiratory system. |
| Skin contact | May cause an allergic skin reaction after a single exposure. Prolonged or repeated skin contact may cause irritation and/or sensitization. |
| Eye contact | Direct contact with eyes may cause temporary irritation. |
| Ingestion | May cause discomfort if swallowed. |

Symptoms related to the physical, chemical and toxicological characteristics

Irritation of eyes and mucous membranes. Skin irritation.

Information on toxicological effects

| | |
|--|--|
| Acute toxicity | Low hazard for usual industrial or commercial handling by trained personnel. |
| Skin corrosion/irritation | Prolonged or repeated skin contact may cause irritation. |
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritat |

Respiratory or skin sensitization

| | |
|----------------------------------|---|
| Respiratory sensitization | Not classified but possible due to skin sensitization effect |
| Skin sensitization | May cause an allergic skin reaction after a single exposure or with repeated or prolonged skin contact. |

Germ cell mutagenicity

Not mutagenic in bacterial or mammalian systems.

Carcinogenicity

This product is not classified as a carcinogen.

OSHA Specifically Regulated

Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity

Not available.

Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated exposure

Aspiration hazard

Chronic effects

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)

Acute

Inhalation

LC50

Rat

0.081 mg/l, 4 Hours

Oral

LD50

Guinea pig

100 mg/kg

Rabbit

100 mg/kg

Rat

320 mg/kg

Other

LD50

Mouse

17 mg/kg

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.

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.

12. Ecological information

Ecotoxicity

The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Components

Species

Test Results

Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)

Aquatic

Fish

LC50 Fathead minnow (*Pimephales promelas*)

> 1970 mg/l, 96 hours

| Components | Species | Test Results |
|--|--|-----------------------|
| Zinc dimethyldithiocarbamate (CAS 137-30-4) | | |
| Aquatic | | |
| Fish | LC50 Bluegill (<i>Lepomis macrochirus</i>) | 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 dimethyldithiocarbamate (CAS 137-30-4) | 1.23 | |
| Mobility in soil | No data available. | |
| Other adverse effects | None expected. | |

13. Disposal considerations

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|--|---|
| Disposal instruction | 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 dangerous goods. |
| IATA | Not regulated as dangerous goods. |
| 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 dimethyldithiocarbamate |

16. Other information, including date of preparation or last revision

| | |
|-------------------------------------|-------------|
| Issue date | 1-July-2018 |
| Revision date | - |
| Version #Further information | 01 |

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:

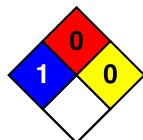
Health: 1

Flammability: 0

Physical hazard: 0

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

NFPA ratings



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.