



MATERIAL SAFETY DATA SHEET

USG Acoustical Ceiling Panel

MSDS NO. 02000EUv3
Revision: 3
Revision Date: January 2004

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SECTION 1 PRODUCT IDENTIFICATION

PRODUCT(s): ACOUSTONE[®], AURATONE[®] & SONATONE[®]

Astro Climaplus	Ceramic Radar	Clean Room
Fissured	Frost	Glastone
Millennia Climaplus	Olympia II Micro	Pedestals
Radar	Radar Climaplus	Sandrift
Sonatone		

SYNONYM: Acoustical Ceiling Tiles and Panels

COMPANY: **USG UK Ltd**
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South West Industrial Estate
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SR8 2HS, England
Tel: 0191 5861121

SECTION 2 INGREDIENTS/COMPOSITION

Ceiling panels are composed of inorganic substances including MMVF22 [(slag wool) man made vitreous (silicate) fibres (CAS 65997-17-3)] and/or MMVF34 [(stone wool) Roxul[®] 1000 (HT) mineral fibres], expanded perlite (CAS 93763-70-3), clay (kaolin, CAS 1332-58-7), and recycle paper (CAS 9004-34-6) using starch (CAS 9005-25-8) binder to form a solid dry matrix. The ceiling panels are coated on the surface with a solvent-free water based latex paint.

SECTION 3 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

This product is not expected to produce any unusual hazards during normal use. Exposure to high dust levels may irritate the skin, eyes, nose, throat, or upper respiratory tract.

Man-made mineral fibres have been classified by the European Union as irritating to skin.

Label Information

Man made vitreous (silicate) fibers, nota Q of Directive 97/69/EEC

Classification: X, Irritant

Risk phrases: Irritating to skin (R:38)

SECTION 4 FIRST AID MEASURES

INHALATION

If exposed to excessive levels of dust, leave area of dust exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary; however, if conditions warrant, get medical attention.



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EYES

In case of contact, immediately flush thoroughly with copious amounts of water for 15 minutes, occasionally lifting the lower and upper lids (to remove particulates that may scratch the eye). Do not rub eyes. Get medical attention if irritation persists. Contact lenses should not be worn when working in dust.

SKIN

Skin contact is not a chemical hazard. Mechanical action of fibers on skin can cause itchiness. If skin contact occurs, do not rub or scratch. Irritation of skin may occur with prolonged and repeated contact. Rinse with cool water, followed by washing with soap and warm water. A commercially available skin cream or lotion may be helpful to treat dry or irritated skin areas.

INGESTION

No chronic harmful effects expected. No specific recommendation. If gastric disturbance occurs, call physician.

SECTION 5 FIRE FIGHTING MEASURES

General Fire Hazards	Will not burn.		
Extinguishing Media:	Not combustible.		
Special Fire Fighting Procedures:	None		
Unusual Fire and Explosion Hazards:	None		
Hazardous Combustion Products:	None		
Flash Point:	None	Auto Ignition:	Not Applicable
Method Used:	Not Applicable	Flammability Classification:	Not Applicable
Upper Flammable Limit (UFL):	Not Applicable	Rate of Burning:	Not Applicable
Lower Flammable Limit (LFL):	Not Applicable		

SECTION 6 ACCIDENTAL RELEASE MEASURES

Containment Procedures

Containment not necessary. Treat as inert material.

Clean-Up Procedures

Normal clean up procedures. In case of spill, pick up or scoop up and place in waste container. Material may be reusable if not contaminated. Minimize dust.

Evacuation Procedures

Not typically necessary.

Special Instructions

None



SECTION 7 HANDLING AND STORAGE

Procedures for Handling

Normal precautions should be followed in handling, storage, and use. During handling and use wear the appropriate respiratory, eye and skin protection if warranted per environmental conditions.

Recommended Storage Methods

Keep dry and protect against adverse conditions.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

A. General Product Information

No exposure limits are assigned to this mixture, see Section 2 - Information on Ingredients. If cutting or trimming with power equipment dust collectors and local ventilation must be used. Wear the appropriate personal protective equipment (see below) if airborne contaminant levels exceed the recommended exposure limits.

B. Component Exposure Limits

Ventilate to keep exposures below recommended level (see section 15). Good general ventilation is expected to be satisfactory to control airborne levels. Use local exhaust ventilation if necessary to control air contaminants.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face

Wear eye protection (safety glasses or goggles) to avoid particulate irritation of the eye.

Skin

Gloves or protective clothing are usually not necessary but may be desirable in specific work situations. For brief contact, no precautions other than clean body-covering clothing should be needed. Wear gloves and protective clothing to prevent repeated or prolonged skin contact. Wear adequate clothing to minimize chafing or drying of skin.

Wear long sleeved, long legged, loose fitting clothing closed at the neck and wrists and minimize skin contact. Wash work clothing separately from other clothing. Rinse washer thoroughly after use.

Respiratory

Not typically necessary under normal conditions of use. Avoid creating dust. Use ventilation adequate to keep dust exposures below recommended exposure limits. Wear a dust respirator (mask) or disposable face masks complying with EN149FFP1 or FFP2 in poorly ventilated areas, if recommended exposure limit is exceeded, and/or when dusty conditions exist.

General

Selection of Personal Protective Equipment will depend on environmental working conditions and operations.



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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Surface with color; baseboard beige/gray	Odor	Low to none
Physical State	Solid	pH	9
Vapor Pressure	Not Applicable	Vapor Density	Not Applicable
Boiling Point	Not Applicable	Freezing Point	Not Applicable
Melting Point	1200°C	Solubility (H₂O)	Low
Specific Gravity	2.9	Particle Size	Variable
Softening Point	700°C	Evaporation Rate	Not Applicable
Viscosity	Not Applicable	Bulk Density	250 - 400 kg/m ³
Percent Volatile	0	Molecular Weight	Not Applicable

SECTION 10 CHEMICAL STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: None known.

Incompatibility: Acids

Hazardous Decomposition Products: None known.

Hazardous Polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute/Toxicity/Target Organ Information

A. General Product/Component Information

This material (in wet state or as dust) is not chemically harmful if it gets on the skin and is not immediately washed off. However direct contact of dust and especially mineral wool fibers with skin can cause skin irritation (mechanical) and itchiness.

In animal studies, if long stone wool fibers are very durable and present in high concentrations they may lead to disease. Short-term inhalation studies of rats exposed to high levels of stone wool fibers have shown that the long fibers disappear quickly from the lungs (are biodegradable). The new stone wool fibers (MMVF34) are much more biosoluble and will disappear even more rapidly than the traditional types.

Large morbidity and mortality studies of both European and North American mineral wool manufacturing workers have been conducted. These studies have found no significant association of non-malignant (i.e. fibrosis) or malignant (i.e., lung cancer or mesothelioma) lung disease and exposures to slag wool fibers and have not established a causal relationship between exposure to stone wool and malignant diseases.



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The synthetic mineral fibers used in these products come from both the United States and Europe and are exonerated from classification as a carcinogen in accordance with EU Commission Directive 97/69/EC.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

No known adverse effects.

SECTION 13 DISPOSAL CONSIDERATIONS

A. General Product Information

Dispose material in accordance with local regulations. Contact the local agency for specific rules.

B. Component Waste Numbers

Dispose material in accordance with local regulations.

SECTION 14 TRANSPORTATION INFORMATION

Material not restricted for transportation regulations.

Shipping Name:	Same as product name.
Hazard Class:	Not classified.
UN/NA #:	None. Not Classified.
Packing Group:	None.
Label (s) Required:	Not Applicable.

GGVSec/MDG-Code: Not classified.

ICAO/IATA-DGR: Not Applicable.

RID/ADR: None

ADNR: None

SECTION 15 REGULATORY INFORMATION

A. General Product Information:

EC Classification

This product contains mineral wool [Man made vitreous (silicate) fibres].

Danger Symbol: X, Irritant

Risk Phrases: Irritating to skin (R:38)

Safety Phrases: Wear Suitable protective clothing and gloves S36/37).

The mineral wool in this product is exonerated from classification as a carcinogen according to Note Q in EU Commission Directive 97/69/EC.



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Exposure Limits

Recommended maximum exposure limit (MEL) is 1 fibre/cc (respirable) and/or 5 mg/m³ (respirable dust), 8 hour TWA.

SECTION 16 OTHER INFORMATION

These products should be used in accordance with the recommendations shown in USG current technical literature.

This Material Safety Data Sheet should not be considered a replacement for the users own workplace risk assessment, which is a requirement of The Control of Substances Hazardous to Health (COSHH) Regulations 2002.

For further information, contact:

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Additional Literature:

More information about the health and safety of slag wool is given in the publication entitled

Health & Safety Assessment & Recommended Work Practices for Slag Wool Fibers. To obtain this publication, write to the Technical Manager at the above address.

Also, additional information about "Health Aspects. Insulation Wool (Glass-, Stone, and Slag-wool)" can be obtained at the European Insulation Manufacturers Association (EURIMA, Av.-Louise 375, bte 4, B-1050 Brussels).
