



Product Safety Data Sheet

Material Name: Fibre Glass Wool

Section 1 - Product and Company Identification

Product Name(s): Fibre Glass Wool WL1341/1-BO9,
Fibre Glass Wool WL314/0-BO3

MSDS No.: 15-MSD-44985-01

Manufacturer Information:

Owens Corning Veil UK Limited,
PO Box 30
Liversedge,
West Yorkshire,
WF 15 8AA,
England.

Phone : + 44 (0) 1274-852300

Emergency Contacts:

Emergencies ONLY (after 5pm US ET and weekends): +1-419-248-5330 (English Only).

Health and Technical Contacts:

Health Issues Information (8am-5pm CET): phone +32.87.692.403
Fax +32.87.692.402

Section 2 – Composition / Information on Ingredients

No hazardous ingredient in the meaning of European Directive 67/548/EEC and 99/45/EC and their latest amendments.

Section 3 - Hazards Identification

The product is not hazardous according to European directive 67/548/EEC and 99/45/EC and their latest amendments.

Note: This product contains continuous filament glass fibers. As manufactured, continuous filament glass fibers are not respirable. Continuous filament glass products that are chopped, crushed or severely mechanically processed during manufacturing or use may contain a very small amount of respirable particulate, some of which may be glass shards. Refer to Sections 8 & 11

Section 4 - First Aid Measures

Inhalation:

Immediately move the affected person to fresh air. If symptoms persist, get medical attention.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Do not rub or scratch eyes. Rubbing or scratching may cause mechanical damage. If irritation persists get medical attention.

Skin Contact:

For skin contact, wash immediately with soap and cold water. Do not wash with warm water because this will open up the pores of the skin, which will cause further penetration of the fibres. Use a washcloth to help remove fibers. To avoid further irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibers into the skin. Remove polluted clothing. If irritation persists, get medical attention.



Product Safety Data Sheet

Material Name: Fibre Glass Wool

Ingestion:

Accidental ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that intestinal blockage does not occur. Rinse the mouth with water and drink water to remove fibres from the throat.

Section 5 - Fire Fighting Measures

Extinguishing Media:

Dry chemical, foam, carbon dioxide, water fog.

Unusual Fire & Explosion Hazards:

Toxic fumes can be released during a fire.

Fire-Fighting Instructions:

No special procedures are expected to be necessary for this product. Use general accepted fire fighting procedures for packaging materials. Use self-contained breathing apparatus (SCBA) in a sustained fire and wear full fire fighting protective gear.

Hazardous Combustion Products:

Primary combustion products are carbon monoxide, carbon dioxide and water. Other undetermined compounds could be released in small quantities.

Section 6 – Accidental Release Measures

Releases of this product to the land, water and air may require reporting to the proper authorities. Refer to applicable local and national regulations.

Personal Precautions: Wear proper personal protective equipment.

Precautions to Protect the Environment: Prevent air contamination by dust.

Methods for Cleaning Up:

Use an industrial vacuum cleaner. Avoid dry sweeping. Never use compressed air to prevent the dust and fibres from suspension in the air.

Section 7 – Handling and Storage

Advice on Safe Handling: Do not breathe dust. Use suitable personal protective equipment (see Section 8).

Advice on Storage: Warehouse storage should be in accordance with applicable local packaging regulations, if any.

Unsuitable Packaging Materials: None known.



Product Safety Data Sheet

Material Name: Fibre Glass Wool

Section 8 – Exposure Controls / Personal Protection

Exposure Guidelines:

<u>Ingredient</u>	<u>UK OEL</u> (8-hr TWA)	<u>UKOEL</u> (15-min TWA)
Fiber Glass Continuous Filament Mat:		
-Total Dust	10 mg/m ³	None
-Respirable Dust	5 mg/m ³	None
-Respirable Fibres and fibre-like particles (glass shards)	2 F/ml (c)	None

Occupational exposure limits (OELs) may be different for other countries. Consult national standards and guidelines for exposure limits that apply to other jurisdictions.

PERSONAL PROTECTION:

Personal Breathing Protection:

Under normal circumstances, breathing protection is not necessary. To avoid irritation a properly fitted P2 disposable filtermask should be used. In extreme circumstances (exposure exceeding the established exposure limit) the use of a properly fitted half-mask respirator with a P2 filter should be used. Use respiratory protection in accordance with your company's respiratory protection program and applicable regulations. Follow the manufacturer's instructions.

Skin Protection:

Loose fitting long sleeved shirts that cover to the base of the neck, long trousers and gloves should be worn. Skin irritation is known to occur chiefly at pressure points such as at the base of the neck, wrist, waist and between the fingers. Be careful not to rub or scratch irritated areas. Rubbing or scratching may force fibres into the skin. In extreme circumstances, a disposable overall and gloves are recommended.

Eyes/Face Protective Equipment:

To avoid irritation of the eyes, safety glasses with side shields or goggles are recommended.

Work and Hygienic Practices:

Avoid unnecessary exposure to dust and handle with care. Remove material from clothing using a vacuum cleaner. Never use compressed air. Keep the work area clean of dust and fibres by using an industrial vacuum cleaner with a high efficiency filter. Avoid dry sweeping or the use compressed air. Have access to an eye wash station and shower. Clothing should be washed separately from other clothing. Wipe out washer/sink to prevent loose glass fibres from getting on other articles.

Section 9 – Physical & Chemical Properties



Product Safety Data Sheet

Material Name: Fibre Glass Wool

Vapor Pressure (mm HG @ 20 C):	Not applicable	pH:	Not applicable
Vapor Density (Air=1):	Not applicable	Evaporation Rate (n-Butyl Acetate=1):	Not applicable
Specific Gravity (Water=1):	2.60	Boiling Point:	Not applicable
Solubility in Water:	Insoluble	Viscosity:	Not applicable
Appearance:	Solid non-woven mat	Physical State:	Solid
Flash Point:	Not applicable	Freezing Point:	Not applicable
Upper Flammable Limit (UFL):	Not applicable	Lower Flammable Limit (LFL):	Not applicable
Odor:	None		



Product Safety Data Sheet

Material Name: Fibre Glass Wool

Section 10 – Chemical Stability & Reactivity Information

Stability:

This is a stable material.

Conditions to Avoid:

None expected.

Incompatible Materials:

None expected.

Hazardous Decomposition Products:

None. In case of fire see Section 5.

Hazardous Polymerization:

Will not occur.

Section 11 – Toxicological Information

Acute Toxicity:

Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. High exposures may cause difficulty breathing, congestion, and chest tightness.

Chronic Toxicity:

There is no known chronic health effect connected with long-term use or contact with these products.

Carcinogenicity:

Fiber Glass Continuous Filament: According to the E.U. Directives the continuous filament glass fibers in these products are not classified as carcinogenic. Continuous filament glass fibers are not within the scope of Directive 67/548/EEC per amendment 97/69/EC, since they are not “fibres with random orientation.” The International Agency for Research on Cancer (IARC) in June 1987, categorized fiberglass continuous filament as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiberglass continuous filament as a possible, probable, or confirmed cancer causing material.

The American Conference of Governmental Industrial Hygienists (ACGIH) has established an A4 classification, not classifiable as a human carcinogen, for respirable continuous filament glass fibers. This was based on inadequate evidences in terms of its carcinogenicity in humans and/or animals

The continuous filament glass fibers in these products are “non-respirable.” Products that are chopped, crushed or severely mechanically processed during manufacture or use contain small amounts of respirable glass “fiber-like” fragments (WHO Criteria > 5 microns in length; ≤ 3 microns in diameter and an aspect ratio ≥ 3:1 (length to width ratio). Available exposure monitoring data indicates that airborne exposure concentrations of respirable glass “fiber-like” fragments are expected to be extremely low or non-detectable.



Product Safety Data Sheet

Material Name: Fibre Glass Wool

Section 12 – Ecological Information

Ecotoxicity:

A: General Product Information

No data are available for this product. This material is not expected to cause harm to animals, plants or fish.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate:

No data are available for this product.

Section 13 – Disposal Considerations

Disposal Instructions:

Consult appropriate authorities before disposing waste material. Dispose, recycle or re-use waste material according to local and national requirements.

Section 14 – Transportation Information

International Transport:

	IATA	RID/ADR	IMO
Shipping Name:	Not regulated	Not regulated	Not regulated
Hazard Class:	None	None	None
UN Number:	None	None	None
Packing Group:	None	None	None
Notes:	None	None	None

Section 15 – Regulatory Information

Classification and Labeling (EEC):

This product is not hazardous according to European Directives 99/45/EC, 67/548/EEC and their latest amendment.

Symbol(s): None

R-phrases(s): None

S-phrases(s): S22 - Do not breathe dust.

Component Analysis – Inventory

Component	CAS #	TSCA	EINECS
Glass, Oxides (Fiber Glass Continuous Filament)	65997-17-3	Yes	266-046-0



Product Safety Data Sheet

Material Name: Fibre Glass Wool

Section 16 – Other Information

Key/Legend

TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NTP = National Toxicology Program; WHO = World Health Organization; IATA = International Air Transport Association; RID = European Rail Transport; ADR = European Road Transport; IMO = International Maritime Organization; MEL = Maximum Exposure Limits; TWA = Time Weighted Average; STEL = Short-term Exposure Limit

Ref: IOM Study: Source: NAIMA 1997. Unpublished letter. Rat inhalation studies with E-Glass micro-fibers at Institute of Medicine, Scotland. January 30, 1997. Letter to USEPA TSCA 8(e) coordinator.

This Product Safety Data Sheet has been prepared in conformity with EU Directive 91/155/EEC; 99/45/EC and 67/548/EEC and their latest amendments.

It is the responsibility of the person in receipt of this product safety data sheet to ensure that the information contained herein is properly understood by all people who may use, handle or dispose of the product or in any way come in contact with the product.

The information provided in this product safety data sheet is based on current state of scientific and technical knowledge at the date indicated on the present document.

Get the most current versions of OC MSDS electronically via Internet: <http://www.owenscorning.com> or call +1-800-438-7465.

This the end of MSDS #44985-01