Safety Data Sheet

Creation Date 1-Oct-15 **Revision Date** 1-Oct-15 **Version 1**

1. IDENTIFICATION

Product Identifier

Product Name: COMAT® Continuous Filament Glass Fiber with patented binder

Manufacturer Product Codes: Fiberglass Fabric Reinforcements - COMAT® Product Codes
C0108/08, C1110/08, C1112/08, C1112/V, C1118/08, C1118/15, C1118WB, C1111PCB, UC1017/V, UCK1033/10PC, UCK1015/18, UCK1015/12, UC1020/08

Recommended Use: Reinforcements for various resins systems

Details of the supplier:
CollinsCraft Composites Group, Inc.
2313 Sandifer Blvd.
Westminster, SC 29693

Emergency telephone number

Company telephone number: 864-647-5308

Emergency number: 1-800-447-6571

Further Information

email address: fiberglass@cofab.com

Company Website: www.cofab.com

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status and Hazard Classification:

Continuous Filament Glass Fiber (CFGF) Products or articles.

Articles which meet the definition of 29 CFR 1910.1200 (b)(6)(v) a manufactured item other than a fluid or a particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has an end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g. minute or trace amounts of hazardous chemical (as determined in paragraph (d) of this section), and does not pose a physical hazard or health risk to employees) are not regulated by OSHA HazCom Standard.

Other hazard:

May cause temporary skin and mucous membranes itching due to mechanical abrasion effect of fibers.

As manufactured continuous filament fibers are non-respirable.

Under normal conditions of use CFGF products may release dust or non-respirable fibers.

Under severe process conditions (e.g. shredding, crushing) they may release very small amount of respirable particulate, some of which may be glass shards. See Section 8 for Exposure Limit Data.

3. COMPOSTION/INFORMATION ON INGREDIENTS

Fabrics are rovings product manufactured by knitting and powder bonding different CFGF products, namely direct rovings, assembled rovings, chopped strand mats, continuous filament mat. Polyester yarn is used for knitting.

4. FIRST AID MEASURES

Emergency and first Aid Procedures:

In case of inhalation: Remove from exposure to fresh air. If symptoms persist, call a physician.

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, get medical advice /attention.

In case of skin contact: Wash off immediately with soap and cold water.
DO NOT use warm water because this will open up the pores of the skin, which will cause further penetration of the fibers.
DO Not rub or scratch the affected area.
Remove contaminated clothing.
If skin irritation persist, call a physician.

In case of ingestion: Accidental ingestion of this material is unlikely.
Rinse mouth with water and drink water to remove fibers from the throat.
If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Flammable properties: Continuous Filament Glass Fibers products are not flammable, are incombustible and do not support combustion. Only the organic fraction is combustible and could release small quantities of hazardous substances in case of major or prolonged heat or fire.

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment e.g. water spray or fog, dry chemicals, foam, carbon dioxide (C02).

Protective equipment and precautions for firefighters: As in any fire, if necessary, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTIAL RELEASE MEASURES

Personal precautions: Avoid contact with the skin and eyes. Avoid dust formation.
Wear appropriate personal protective equipment in case of direct contact with the product. (see section 8)

Method for cleaning up: Avoid dry sweeping.
Shovel up the major part of spilled material into a container.
Use industrial vacuum cleaner with a high efficiency filter to clean up dust and residual spilled material.
After vacuum cleaning, flush with water.

7. HANDLING AND STORAGE

Advice on safe handling: Avoid contact with skin and the eyes. Avoid dust formation.

Storage Conditions: Keep in a dry, cool place.
Keep product in packaging until ready for use to minimize potential dust generation.

Incompatible Material: None known.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective equipment: As manufactured continuous filament fibers are non-respirable.
Under normal conditions of use, CFGF products may release dust or non-respirable fibers. (Particles not Otherwise Regulated).

Exposure Guidelines:

Chemical Name	ACGIH TLV- TWA	OSHA PEL - TWA
Continuous Filament Glass Fiber/to include styrene binder of less than %5 of total weight. non-respirable	Fiber: 1 fiber/cc for respirable fibers* (*:Fibers longer than 5µm; diameter less than 3µm; aspect ratio greater than 5:1 as determined by the membrane filter method at 400-450X magnification(4-mm objective), using phase contrast illumination) Dust: 5 mg/m3 - inhalable fraction	Inert or Nuisance Dust: 5 mg/m3 - Respirable fraction 15 mg/m3 - Total dust

Engineering Controls: Provide local exhaust and /or general ventilation system to maintain exposure below regulatory and recommended limits.
Local exhaust ventilation should be provided at areas of cutting, milling, or other processing to remove airborne dust and fibers.

Individual protection measures, such as personal protective equipment:

Eye / face protection Wear safety glasses with shields

Shin and body protection Wear gloves. Long sleeved shirt and long pants.

Respiration protection If exposure limits are exceeded or in case of upper respiratory tract irritation, a NIOSH/MSHA approved respiratory protection should be worn.

General Hygiene considerations Wash hands before breaks and immediately after handling the product.
Remove and wash contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Solid - fiber with diameter larger than 6 microns
Odor:	No significant odor
Color:	No significant color
Softening Point	› 800˚ C
Density	Molten glass: 2,6 (Water = 1)
Solubility	Insoluble in water

10. STABILITY AND REACTIVITY

Reactivity & Stability: Stable under normal storage and use conditions

Hazardous reaction: Hazardous reactions do nor occur.

Hazardous decomposition products: None in normal use conditions. Hazardous decomposition products may be released in case of heat exposure or during a fire.

11. TOXICOLOGICAL INFORMATION

Continuous filament glass fibers are not respirable according to the World Health Organization (WHO) definition.

Respirable fibers have a diameter (d) smaller than 3 µm, a length (l) larger than 5 µm and a l/d-ratio larger than or equal to 3. Fibers with diameters greater than 3 microns, which is the case for continuous filament glass fiber, do not reach the lower respiratory tract and, therefore have no possibility of causing serious pulmonary disease.

Continuous filament glass fibers do not possess cleavage planes which would allow them to split length-wise into fibers with smaller diameters, rather they break across the fiber, resulting in fibers which are of the same diameter as the original fiber with a shorter length and a small amount of dust.

IARC: The International Agency for Research on Cancer (IARC) in June, 1987, and in October, 2001 (see IARC Monographs on the Evaluation of Carcinogenic risks to humans - Man-made Vitreous Fibers - Volume 81), categorized continuous filament fiber glass as not classified with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify continuous fiber glass as a confirmed, probable or even possible cancer causing material.

ACGIH: Continuous filament glass fibers are classified as A4- Not Classified as a Human Carcinogen.

NTP: Continuous filament glass fibers are not listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition).

12. ECOLOGICAL INFORMATION

This product is not expected to be hazardous for the environment.

13. DISPOSAL CONSIDERATIONS

Continuous filament glass fiber waste is not a hazardous waste.
Scrap material should be disposed of in a sanitary landfill in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

These products are not classified as dangerous goods according to international transport regulations.

15. REGULATORY INFORMATION

International Chemical Inventories:

Continuous filament glass fiber products are articles
Articles are exempted from registration or listing under chemicals inventories like TSCA (USA), DSL/NDSL (CAN), REACH (EU)
ENCS (JP), IECSC (CN), KECL (KR), PICCS (PH), AICS (AUS)

California Prop 65:

This product is not regulated under California Prop 65.

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

Prepared by	cdd
Creation Date	1-Oct-15
Revision Date	1-Oct-15
Revision Note	This Safe Instruction Sheet replaces Material Safety Data Sheet This new document has been created to adapt our documentation in accordance with Hazard Communication Standard 2012 (HCS) 29 CFR 1910. 1200 requirements.
Disclaimer	Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

End of Safe Use Instruction Sheet