



Safety Data Sheet

SDS No. 944

Section 1 - Identification

- 1.1 **Product identifier:** duoMatrix® Chopped Glass
also known as: Fiberglass, Glass Fibers, Glass Fiber Roving
- 1.2 **General Use:** Fiberglass Reinforcement
- 1.3 **Manufacturer:** Smooth-On, Inc.,
5600 Lower Macungie Rd., Macungie, PA 18062
Phone (610) 252-5800, FAX (610) 252-6200
SDS@Smooth-On.com
- 1.4 **Emergency Contact:** Chem-Tel
Domestic: 800-255-3924 International: 813-248-0585

Section 2 - Hazards Identification

2.1 **Classification of the substance or mixture:** Not classified.
Not a hazardous substance or mixture according to United States Occupational Safety and Health Administration (OSHA) 2012 Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) and Council Directive 1999/45/EC and its subsequent amendments.

2.2 **GHS Label elements, including precautionary statements**
Hazard Pictogram(s): none
Signal word: none

General

Precautions: P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Hazards not otherwise classified (HNOC) or not covered by GHS – None known.

Section 3 - Composition / Information on Ingredients

3.1 Substances

No ingredients are hazardous according to 2012 OSHA Regulation 29 CFR 1910.1200 criteria.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of running water. If irritation persists, seek medical attention.

Skin Contact: In case of skin contact, wash thoroughly with soap and water.

Ingestion: Not a likely route of exposure. Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

4.2 **Most important symptoms and effects, both acute and delayed** None known.

4.3 **After first aid, get appropriate in-plant, paramedic, or community medical support.**

Section 5 - Fire-Fighting Measures

5.1 Extinguishing Media: Water Fog, Dry Chemical, and Carbon Dioxide Foam

5.2 Special hazards arising from the substance or mixture: None known. Material is not an electrical conductor and may accumulate static charge.

Fiberglass will not burn, but smoking of the product may occur at approximately 400 – 500 °F (approximately 200 – 260 °C) due to decomposition of the surface binder. Surface binders may decompose in a fire situation and release carbon monoxide, carbon dioxide and water.

Additionally, there are many chemicals that can evolve during any partial decomposition of chemical products. The amounts or identities cannot be predicted and can differ in each situation.

5.3 Advice for firefighters: Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off “fuel” to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure demand or positive-pressure mode.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures: No special protection is required for this material. Only properly protected personnel should remain in the spill area; dike and contain spill. Stop or reduce discharge if it can be done safely.

6.2 Environmental precautions: No special environmental precautions required.

6.3 Methods and material for containment and cleaning up: vacuum or sweep up material and place in a designated, labeled waste container.

6.4 Reference to other sections: See Section 1 for emergency contact information, Section 8 for information on appropriate personal protective equipment, and Section 13 for additional waste treatment information.

Section 7 - Handling and Storage

7.1 Precautions for safe handling: Use good general housekeeping procedures. Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities: Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.

7.3 Specific end use(s): These precautions are for room temperature handling. Other uses including elevated temperatures or aerosol/spray applications may require added precautions.

Section 8 - Exposure Controls / Personal Protection

8.1 Control parameters:

Ingredient	Exposure limits		
Synthetic vitreous fibers	ACGIH TLV	TWA: 1 f/cc	Continuous filament glass fibers
		TWA: 5 mg/m ³ (inhalable)	Continuous filament glass fibers
		TWA: 3 mg/m ³	Respirable
		TWA: 10 mg/m ³	Total dust

Synthetic vitreous fibers (cont'd)	OSHA PEL	TWA: 15 mg/m ³	
		TWA: 5 mg/m ³	Respirable
		TWA: 15 mg/m ³	Total dust
	ACGIH TLV	TWA: 15 mg/m ³ 8 hours	Inhalable fraction
		TWA: 1 f/cc 8 hours	Respirable fibers: length greater than 5µm; aspect ratio equal to or greater than 3:1 as determined by the membrane filter method at 400-450X magnification (4 mm objective) phase contact illumination.
Organic surface binder/sizing	none		

8.2 Exposure controls:

Respiratory Protection: Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Should a respirator be needed, follow OSHA respirator regulations 29 CFR 1910.134 and European Standards EN 141, 143 and 371; wear an MSHA/NIOSH or European Standards EN 141, 143 and 371 approved respirators equipped with appropriate filter cartridges.

Hand Protection: Use gloves to protect against physical irritation or injury if required by handling conditions.

Eye Protection: Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Other Protective Clothing/Equipment: Wear clean, body-covering clothing. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Provide eye bath and safety shower.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.

Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance : solid, white to yellowish

Odor/Threshold: odorless

pH: N.A. (non-aqueous)

Melting Point/Freezing Point: N.A.

Low/High Boiling Point: N.A.

Flash Point: >300 °F

Evaporation Rate: Not available

Flammability: f.p. at or above 200 °F

UEL/LEL: Not available

Vapor Pressure: not measurable

Vapor Density (Air=1): not available

Specific Gravity (H₂O=1, at 4 °C): 2.5 to 2.7

Water Solubility: insoluble

Partition coefficient: not measurable

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: not applicable (solid)

% Volatile: 0% (v/v), 0% (w/w)

Section 10 - Stability and Reactivity

- 10.1 Reactivity:** No hazardous reactions if stored and handled as prescribed/indicated., No corrosive effect on metal. Not fire propagating.
- 10.2 Chemical stability:** This product is stable at room temperature in closed containers under normal storage and handling conditions.
- 10.3 Possibility of hazardous reactions:** Hazardous polymerization cannot occur.
- 10.4 Conditions to avoid:** none known
- 10.5 Incompatible materials:** none known
- 10.6 Hazardous decomposition products:** Thermal oxidative decomposition can produce carbon oxides, gasses/vapors, and may release small amounts of acetic acid and other organic materials at elevated temperatures.

Section 11- Toxicological Information

- 11.1 Information on toxicological effects:**
- | | |
|--|---|
| Skin Corrosion/Irritation: no data | Serious Eye Damage/Irritation: no data |
| Respiratory/Skin Sensitization: no data | Germ Cell Mutagenicity: no data |
- Carcinogenicity:** No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP, or OSHA; ACGIH classified this product as Class A4 – Not classifiable as a human carcinogen; IARC classifies this product as Class 3 – Not classifiable as to its carcinogenicity to humans.
- Reproductive Toxicity:** no data
- Specific Target Organ Toxicity – Single Exposure:** no data
- Specific Target Organ Toxicity – Repeated Exposure:** no data
- Aspiration Hazard:** no data
- Acute Toxicity:** no data
- Chronic Exposure:** no data
- Potential Health Effects – Miscellaneous:** no data

Section 12 - Ecological Information

- 12.1 Toxicity:** no data
- 12.2 Persistence and Degradability:** no data
- 12.3 Bioaccumulative Potential:** no data
- 12.4 Mobility in Soil:** no data
- 12.5 Results of PBT and vPvB assessment:** no data
- 12.6 Other Adverse Effects:** no data

Section 13 - Disposal Considerations

- 13.1 Waste treatment methods:** Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore to not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

Section 14 - Transport Information

- Not regulated by DOT, IATA or IMDG
- 14.1 UN number:** none
- 14.2 UN proper shipping name:** none
- 14.3 Transport hazard class(es):** not applicable
- 14.4 Packing group:** not applicable
- 14.5 Environmental hazards:** none known
- 14.6 Special precautions for user:** none known

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable

Section 15 - Regulatory Information

15.1 Safety health and environmental regulations/legislation specific for the substance or mixture:

In the United States (EPA Regulations):

TSCA Inventory Status (40 CFR710): All components of this formulation are listed in the TSCA Inventory.

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

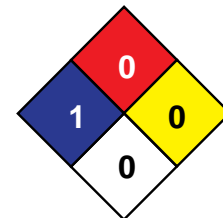
SARA 311/312 Hazards: none

California Proposition 65: This product does not intentionally contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

15.2 Chemical safety assessment: No chemical safety assessment has been carried out for this substance/mixture by the supplier.

16 - Other Information

HMIS	
H	1
F	0
R	0



NFPA

SDS Version: 2

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Glossary: ACGIH-American Conference of Governmental Industrial Hygienists; ANSI-American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CAS-Chemical Abstract Service; Chemtrec-Chemical Transportation Emergency Center (US); CHIP-Chemical Hazard Information and Packaging; DSL-Domestic Substances List; EC-Equivalent Concentration; EH40 (UK)-HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA-Emergency Planning and Community Right-To-Know Act; ESL-Effects screening levels; GHS-Globally Harmonized System of Classification and Labelling of Chemicals; HMIS-Hazardous Material Information Service; IATA-International Air Transport Association; IMDG-International Maritime Dangerous Goods Code; LC-Lethal Concentration; LD-Lethal Dose; LEL-Lower Explosion Level; NFPA-National Fire Protection Association; OEL-Occupational Exposure Limit; OSHA-Occupational Safety and Health Administration, US Dept. of Labor; PEL-Permissible Exposure Limit; SARA (Title III)-Superfund Amendments and Reauthorization Act; SARA 313-Superfund Amendments and Reauthorization Act, Section 313; SCBA-Self-Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ-Texas Commission on Environmental Quality; TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; TWA-Time Weighted Value; UEL-Upper Explosion Level; US DOT-US Department of Transportation; WHMIS-Workplace Hazardous Materials Information System.

Disclaimer: The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Smooth-On Inc., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.

This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH).

Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1907/2006 and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.