Aura3D

Safety Data Sheet

According to Hazard Communication Standard (29 CFR 1910.1200)

Aura3D ABS-GF

Version 1.0

Issue date: 17-07-2020

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1. Product and Company Identification

Material name Aura3D ABS-GF

CAS # See section 3

Product code -

Product use 3D Printing Pellets.

Manufacturer/Supplier

Supplier(Manufacturer): Shenzhen Aura3D Technology Co.,Ltd

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2. Hazards identification

GHS classification

Physical hazards Not classified

Health hazards Carcinogenicity Category 1B

Environmental hazards Not classified

GHS label elements

Hazard Pictograms



Signal word Danger.

Hazard statement May cause cancer

Precautionary statement

Prevention Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Response If exposed or concerned: Get medical advice/attention.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local regulation.

Other hazards Not available.

3. Composition / Information on Ingredients

Components	CAS#	Percent
Chopped Glass Fiber	65997-17-3	10-30%
Poly(ethylene-co-1-octene)	26221-73-8	3-8%

4. First Aid Measures

First aid procedures

Eye contact Flush with running water for at least 15 minutes. If irritation persists get medical attention.

Skin contact	Wash thoroughly with soap and water. Get medical attention in the unlikely event that irritation persists.
Inhalation	If breathed in, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Notes to physician	Treat symptoms.

5. Fire Fighting Measure

Flammable properties	Not available.
Extinguishing media	
Suitable extinguishing media	Use extinguishers suitable for surrounding fire.
Unsuitable extinguishing media	Not available.
Firefighting equipment/instructions	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous combustion products	Carbon oxides.

6. Accidental Release Measures

Personal precautions	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions	Avoid disposing into drainage/sewer system or directly into the aquatic environment.
Methods for cleaning up	Sweep up and shovel into suitable containers. Clean up affected area.

7. Handling and Storage

Handling	Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Component	Type	Value	Form
Poly(ethylene-co-1-octene) (CAS 26221-73-8)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Value	Form
Chopped Glass Fiber (CAS 65997-17-3)	TWA	3 fibers/cm3	Fiber.
		3 fibers/cm3	Fibrous dust.
		5 mg/m3	Fiber, total
		5 mg/m3	fibers, total dust

Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment:

Eye / face protection	Chemical safety goggles.
Skin protection	Wear normal working clothing. Handle with gloves.
Respiratory protection	Wear approved mask/respirator.
General hygiene	Wash hands, forearms and face thoroughly after handling chemical products,

considerations	before eating, smoking and using the lavatory and at the end of the working period.

9. Physical & Chemical Properties

Appearance	
Physical state	Solid
Form	Solid
Color	Milky white
Odor	Not available
Odor threshold	Not available
pH	Not available
Vapor pressure	Not available
Vapor density	Not available
Boiling point	Not available
Melting point/Freezing point	210°C
Solubility (water)	Insoluble
Relative Density	1.1
Flash point	Not available
Partition coefficient	Not available
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
Auto-ignition temperature	Not available
VOC	Not available
Percent volatile	Not available
Molecular Formula	Not available
Molecular Weight	Not available
Other data	
Viscosity	Not available
Dissociation constant	Not available

10. Chemical Stability & Reactivity Information

Reactivity	The substance is stable under normal storage and handling conditions.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides.
Possibility of hazardous reactions	No hazardous reactions known.

11. Toxicological Information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data:	Not available

Information on toxicological effects:

Acute toxicity:

Calcium chloride(CAS# 10043-52-4)

LD50(Oral, Rat):	2 301 mg/kg bw
LD50(Dermal, Rabbit):	> 5 000 mg/kg bw
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: May cause cancer.

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

12. Ecological Information

Toxicity:

Calcium chloride(CAS# 10043-52-4)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
LC50	2 400 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	2 900 mg/L	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results of PBT&vPvB assessment: Not available.

Other adverse effects: Not available.

13. Disposal Considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Basic shipping requirements:

UN number Not regulated

Proper shipping name Not regulated

Hazard class Not regulated

Packing group Not regulated

Environmental hazards No

IATA

UN number Not regulated

UN proper shipping name Not regulated

Transport hazard class(es) Not regulated

Packing group Not regulated

Environmental hazards No

IMDG

UN number Not regulated

UN proper shipping name Not regulated

Transport hazard class(es) Not regulated

Packing group Not regulated

Environmental hazards No

15. Regulatory Information

US federal regulations

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

California Proposition 65

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Chopped Glass Fiber (CAS 65997-17-3)

16. Other Information

HMIS®ratings	Health: 4 Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 4 Flammability: 1 Instability: 0
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available.
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