

OVERTURE PLA Pro

SDS record number: OVU-SDS-PLA Pro 01

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: OVERTURE
Additional identification: Not available
Identification of the product: See section 3
Index Number: See section 3
REACH registration No.: See section 3

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Identified uses: 3D Printing Filament.

1.2.2 Uses advised against: Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier (Only representative): -
Supplier (Manufacturer): Overture 3D Technologies, LLC
Contact person (E-mail): service@overture3d.com
Telephone: +1 912-441-8907
Fax: -

1.4 Emergency telephone Number:

+86-512-52058005 Only available during office hours (9:00a.m.-17:30p.m)

Available outside office hours? YES NO

2. Hazards Identification

Emergency Overview:

Not likely to be an irritant in the solid form. Burning produces obnoxious and toxic fumes. Avoid prolonged contact with skin and contact with eyes. Not likely to form a dust in the solid filament form.

Potential Acute Health Effects

Inhalation:

Not likely to form an inhalable dust in the solid filament form and for the intended use. Aerosols generated during printing may cause shortness of breath, tightness of the chest, a sore throat and cough.

Eye:

Direct contact with eyes may cause irritation.

Skin:

May cause slight skin irritation.

Ingestion:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Potential Chronic Health Effects Carcinogenic Effects:

No known carcinogenic effects

Mutagenic Effects:

No known mutagenic effects

Teratogenic Effects: No known teratogenic effects
Developmental Toxicity: No known developmental toxicity

3. Composition/information on ingredients

Chemical Name	CAS No.	Weight %	Exposure Limits
N/A	9051-89-2	80-100%	None
N/A	-	0-20%	None

4. First aid measures

Inhalation: Move to fresh air and keep at rest in a position comfortable for breathing. Call a physician.

Skin contact: Rinse immediately with plenty of water. If skin irritation persists, call a physician. Cool skin rapidly with cold water after contact with hot filament.

Eye contact: Rinse immediately with plenty of water. Call a physician immediately.

Ingestion: Drink water as a precaution. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician.

Notes for the doctor: Treat symptomatically.

5. Firefighting measures

General Information: As in any fire, wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved equivalent) and full protective gear.

Suitable Extinguishing Agents: Foam. Water. Carbon dioxide (CO₂). Dry chemical. Alcohol resistant foams are preferred if available. General-purpose synthetic foams (including AFFF) or protein foams may function, but much less effectively.

Products of Combustion: Burning produces obnoxious and toxic fumes, aldehydes, carbon monoxide (CO), and carbon dioxide (CO₂).

Special Fire Fighting Procedure: Firefighters should wear self-contained breathing apparatus and full fire-fighting turn-out gear (bunker gear). Keep personnel removed and upwind of fire. Water should be used to keep fire-exposed containers cool.

Special Remarks on Fire and Explosion Hazards: Toxic gases/vapors/fumes may emit in a fire.

6. Accidental release measures

General: Wear gloves when handling hot melt of the material.

Environmental precautions: Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

Methods and material for containment and cleaning up: Shovel into suitable container for disposal.

7. Handling and storage

Precautions: No special precautions required.

Handling: Wear gloves when handling molten material. Low hazard for usual industrial or commercial handling.

Storage: Store in cool place. Keep at temperatures below 122F (50 °C). No special restriction on storage with other products.

8. Exposure controls/ personal protection

Ventilation protection: Provide good ventilation during 3D printing processes.

Skin protection: Avoid direct contact to the hot melt of material or wear gloves

Eye and face protection: Avoid direct contact to the hot melt of material or wear gloves

General: Wear protective clothing to prevent contact with hot melt materials.

9. Physical and chemical properties

Appearance: Filament, Solid

Color: Various Odour: Odorless pH: Not applicable

Melting point: > 140 °C

Boiling point: Not applicable

Density: 1.22 g/cm³

Vapor pressure: Not applicable

Partition coefficient (n-octanol/ water): Not applicable

Solubility(ies): Not determined

Flash point: Not determined

Auto -ignition temperature: > 350 °C

10. Stability and reactivity

Stability: Stable under recommended storage conditions

Polymerization: Not applicable

Dangerous Decomposition Products: Burning produces obnoxious and toxic fumes. Aldehydes. Carbon monoxide (CO). carbon dioxide (CO₂).

Conditions to avoid: Temperatures above 446F (230 °C).

Materials to avoid: Oxidizing agents. Strong bases.

11. Toxicological information

Routes of entry: N.A.

Acute toxicity: Not likely to cause targeted organ effects or skin allergic reactions.

12. Ecological information

Mobility: No data available

Bioaccumulation: The main resin is biodegradable.
Ecotoxicity effects: Data not available.

13. Disposal considerations

Waste Disposal Methods: In accordance with local and national regulations. Do not contaminate ponds, waterways or ditches with chemical or used container. Contact manufacturer if needed.

14. Transport information

No a DOT controlled material (United States)

Proper Shipping Name: Not regulated
Hazard Class: Not regulated
UN. NO.: Not regulated
Packing Group: Not regulated IMDG EMS: Not regulated

15. Regulatory information

European/International Regulations

This product is on the European Inventory of Existing Commercial Chemical Substances.

European Labeling in Accordance with EC Directives

Hazard Symbols: N/A
Risk phrases: N/A
Safety phrases: N/A
HMIS (U.S.A.):
Health Hazard: 0
Fire Hazard: 1
Reactivity: 0

Personal Protection:

National Fire Protection Association(U.S.A.):

Health: 0

Flammability: 1 Reactivity: 0 Specific Hazard:

Federal and State Regulations: TSCA 8(b) inventory: Listed

Canada --WHMIS: Not controlled

16. Other information

Revision information

Date of this revision: Sep 06, 2020

Declare to reader

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