amt postpro®



FA9202 MSDS SAFETY DATA SHEET

Prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

JUNE 2026 // V4.0

SECTION 1:
Identification of the Substance and of the Company

1.1 Product Identifiers

Product name:	FA 9202
Product number:	100205
Brand:	AMT PostPro
CAS-Number:	2568-90-3

1.2 Relevant identified uses and restrictions on use

Identified use:	Chemical for post-processing 3D-printed polymer parts (vapor smoothing in PostPro SF50, SF100 and SFX machines).
Uses advised against:	Consumer use. For industrial and professional use only.

1.3 Details of the supplier of the safety data sheet

Company:	Additive Manufacturing Technologies Inc. (AMT Inc.)
Address:	3161 Eagles Nest Street, Suite 370, Round Rock, TX 78665, USA
Telephone:	+1 737 600 0959 (Business hours, 8 AM – 5 PM CST: +1 512 352 9393)
E-mail:	support@amtechnologies.com

1.4 Emergency Contact Number

For Hazardous Materials Incidents (Spill, Leak, Fire, Exposure or Accident) call CHEMTREC, day or night:
+1 703 527 3887 / 1 800 424 9300
CCN 1025190

SECTION 2:
Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

2.1 Classification of the substance

Physical hazards:	Flammable liquids — Category 4.
Health hazards:	Not classified. Based on available data, the substance does not meet the criteria for clas sification for any health hazard class under OSHA HCS (29 CFR 1910.1200). See Section 11 for toxicological details.
Environmental hazards:	Not classified.

2.2 Label Elements

Hazard pictogram:	None.
Signal word:	Warning.
Hazard statement:	H227 — Combustible liquid.

Precautionary statements:
- P210 — Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- P280 — Wear protective gloves, eye protection and face protection.
- P370 + P378 — In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
- P403 + P235 — Store in a well-ventilated place. Keep cool.
- P501 — Dispose of contents / container to an approved waste disposal plant.

2.3 Other Hazards

None known. This substance does not meet the criteria for classification as PBT or vPvB.

SECTION 3:
Composition / Information on Ingredients

3.1 Substances

Substance / mixture:	Substance.
Chemical name:	Dibutoxymethane (Butylal)
CAS-No.:	2568-90-3
Concentration:	≥ 99 % w/w
Synonyms:	Dibutoxymethane; Butylal; Dibutyl formal; Formaldehyde dibutyl acetal; 5,7-Dioxaundecane
Molecular formula:	$C_9H_{20}O_2$
Molecular weight:	160.26 g/mol

SECTION 4:
First-Aid Measures

4.1 Description of first-aid measures

If inhaled:	Remove person to fresh air and keep comfortable for breathing. Get medical advice / attention if you feel unwell.
Skin contact:	Take off all contaminated clothing immediately. Rinse skin with water / shower. If skin irritation occurs, get medical advice / attention.
Eye contact:	Rinse with plenty of water. Remove contact lenses if present and easy to do. If eye irrita tion persists, get medical advice / attention.
If swallowed:	Rinse mouth. Do NOT induce vomiting. Get medical advice / attention.

4.2 Most important symptoms and effects
May cause mild irritation to eyes, skin and respiratory tract on prolonged or repeated exposure. No specific symptoms expected from brief incidental contact.

4.3 Indication of immediate medical attention
No specific antidote. Treat symptomatically.

SECTION 5:
Fire-Fighting Measures

5.1 Suitable extinguishing media
Dry powder, foam, water spray, carbon dioxide (CO_2).

5.2 Specific hazards arising from the substance
Combustible liquid. Fire may produce irritating, corrosive and / or toxic gases including carbon monoxide and carbon dioxide.

5.3 Special protective equipment for fire-fighters
Use personal protective equipment. Wear self-contained breathing apparatus (SCBA). Use water spray to cool fire-exposed containers.

SECTION 6:
Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment (see Section 8). Avoid breathing vapors.

6.2 Environmental precautions
Prevent product from entering drains, sewers or waterways.

6.3 Methods and materials for containment and cleaning up
Absorb with inert material (sand, diatomaceous earth, vermiculite) and place in a suitable sealed container for disposal. Clean area with soap and water.

6.4 Reference to other sections
See Section 8 for personal protective equipment. See Section 13 for disposal information.

SECTION 7:
Handling and Storage

7.1 Precautions for safe handling
Keep away from heat, sparks and open flame. Use only in well-ventilated areas. Take precautionary measures against static discharge. Avoid contact with skin and eyes. Avoid breathing vapors / mists. Wash hands thoroughly after handling.

7.2 Conditions for safe storage
Store in a cool, well-ventilated place. Keep container tightly closed. Store away from strong oxidizing agents. Storage class: combustible liquids.

7.3 Specific end use(s)
Solvent for vapor smoothing of 3D-printed polymer parts in AMT PostPro systems.

SECTION 8:
Exposure Controls / Personal Protection

8.1 Control parameters
Occupational exposure limits: contains no substances with established occupational exposure limit values (OSHA PEL, NIOSH REL or ACGIH TLV). No DNEL or PNEC values have been established for this substance.

8.2 Exposure controls
Engineering controls: Use local exhaust ventilation. Ensure good general ventilation (minimum 10 air changes per hour recommended for enclosed areas where vapor may accumulate). Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection: Use a NIOSH-approved organic-vapor respirator (e.g. A2-P3 or ABEK2-P3 combination cartridge) if vapors are generated during solvent transfer or maintenance, or if local exhaust ventilation is insufficient. For PostPro machine operation with doors closed, respiratory protection is not typically required. During door opening / unloading or solvent handling, a half-face respirator with organic-vapor cartridge is recommended as a precaution.

Hand protection: Butyl rubber or nitrile gloves. Minimum thickness 0.5 mm; breakthrough time > 60 minutes for the solvent. Replace after each use day or when damaged.
Eye protection: Safety goggles or face shield complying with ANSI Z87.1. Use chemical splash goggles during solvent transfer or maintenance.

Skin and body protection: Protective clothing; chemical-resistant apron during solvent handling.

SECTION 9:
Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Clear liquid
Color	Colorless
Odor	Characteristic
Odor threshold	No data available
pH	No data available (practically insoluble in water)
Melting / freezing point	−58.1 °C (−72.6 °F)
Initial boiling point / range	182.5 °C (360.5 °F)
Flash point	62 °C (143.6 °F) — closed cup (ASTM D93, PMCC)
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable (liquid)
Upper explosion limit	23.6 vol %
Lower explosion limit	0.63 vol %
Vapor pressure	< 20 hPa at 20 °C
Vapor density	5.5 (Air = 1)
Relative density	0.84
Water solubility	Practically insoluble
Partition coefficient (log Pow)	2.765
Auto-ignition temperature	220 °C (428 °F)
Decomposition temperature	No data available
Kinematic viscosity	1.083 mm²/s at 25 °C
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing
Molecular weight	160.26 g/mol

SECTION 10:
Stability and Reactivity

10.1 Reactivity:
Stable under normal conditions. Forms combustible vapor-air mixtures above the flash point.

10.2 Chemical stability:
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:
None under normal conditions of use.

10.4 Conditions to avoid:
Heat, flames, sparks and other sources of ignition; temperatures approaching or exceeding the flash point (62 °C).

10.5 Incompatible materials:
Strong oxidizing agents.

10.6 Hazardous decomposition products:
Carbon monoxide, carbon dioxide.

SECTION 11:
Toxicological Information

11.1 Information on toxicological effects

Acute toxicity:	
Oral LD50 (rat):	6,873 mg/kg
Dermal LD50 (rat):	> 2,000 mg/kg
Inhalation LC50:	No data available
Skin corrosion / irritation:	Skin — rabbit: no skin irritation.
Serious eye damage / irritation:	Eyes — rabbit: no eye irritation.
Respiratory / skin sensitization:	Guinea pig: did not cause sensitization in laboratory animals.
Germ cell mutagenicity:	Not mutagenic in the Ames test.
Carcinogenicity:	IARC, NTP and OSHA: no ingredient present at ≥ 0.1 % is identified or listed as a carcinogen.
Reproductive toxicity:	No data available.
STOT — single exposure:	No data available.
STOT — repeated exposure:	No data available.
Aspiration hazard:	No data available.
Additional information:	RTECS not available. To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12:
Ecological Information

12.1 Toxicity:
No data available.

12.2 Persistence and degradability:
Readily biodegradable.

12.3 Bioaccumulative potential:
No data available. Based on log Pow (2.765), significant bioaccumulation is not expected.

12.4 Mobility in soil:
No data available.

12.5 Results of PBT and vPvB assessment:
Does not meet the criteria for PBT or vPvB.

12.6 Endocrine disrupting properties:
No data available.

SECTION 13:
Disposal Considerations

13.1 Waste treatment methods
Dispose of in accordance with local, state and federal regulations. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose of into drains or waterways. Consult a licensed waste-disposal contractor.

Contaminated packaging: dispose of as unused product. Empty containers may retain product residue.

SECTION 14:
Transport Information

Domestic (US DOT, 49 CFR)
Not regulated for shipments ≤ 119 gallons (450 L). Above that threshold:

UN / NA number:	NA1993
Proper shipping name:	Combustible liquid, n.o.s. (Dibutoxymethane)
Hazard class:	Combustible liquid
Packing group:	III
IATA (Air):	Not regulated for normal commercial quantities.
IMDG (Sea):	Not regulated for normal commercial quantities.

SECTION 15:
Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA):
- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.
- All components are listed or exempt on the TSCA inventory. No substances are subject to a Significant New Use Rule.
- 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 listed.

Superfund Amendments and Reauthorization Act (SARA):
- SARA 302 Extremely hazardous substance: Not listed.
- SARA 311/312 Hazardous chemical: Yes — Classified hazard: Flammable (gases, aerosols, liquids or solids).
- SARA 313 (TRI reporting): Not regulated.

Other federal regulations:
- Clean Air Act — HAPs (Sec. 112), Accidental Release Prevention (40 CFR 68.130) and SOCMI VOCs (40 CFR 60.489): Not regulated / not listed. Product neither contains nor was manufactured with a Class I or II ODS.
- Safe Drinking Water Act (SDWA): Not regulated.
- Clean Water Act: contains no Hazardous Substances (Sec. 311, Table 116.4A) or toxic pollutants (Sec. 307).

US state regulations
- California Proposition 65: Does not contain any chemicals known to the State of California to cause cancer, birth defects or reproductive harm.
- Massachusetts Right To Know: No components are subject to the Massachusetts Right to Know Act.
- Pennsylvania Right To Know: Dibutoxymethane (CAS 2568-90-3) is listed.

SECTION 16:
Other Information

Issue date
June 2026

Revision date
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Version #
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Full text of hazard statements referred to in Sections 2 and 3
H227 — Combustible liquid.

Revision information
Version 1.0 (US). Revision date 03 June 2026. First issue of a US (OSHA HCS) safety data sheet for FA9202. Prepared by Additive Manufacturing Technologies — Health & Safety.

Abbreviations
ACGIH — American Conference of Governmental Industrial Hygienists; CAS — Chemical Abstracts Service; CERCLA — Comprehensive Environmental Response, Compensation and Liability Act; GHS — Globally Harmonized System; IARC — International Agency for Research on Cancer; NTP — National Toxicology Program; OSHA — Occupational Safety and Health Administration; PEL — Permissible Exposure Limit; SARA — Superfund Amendments and Reauthorization Act; SDS — Safety Data Sheet; TSCA — Toxic Substances Control Act; TWA — Time-Weighted Average.

Disclaimer
This SDS was prepared in accordance with OSHA HCS (29 CFR 1910.1200). The information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. It is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent a guarantee of the properties of the product. Additive Manufacturing Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

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