

SAFETY DATA SHEET



Dynamism PVA

According to Hazard Communication Standard (29 CFR 1910.1200)

Version 1.0

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SDS record number: CSSS-TCO-010-130553

1. Product and Company Identification

Product Information

Material name

Dynamism PVA

CAS#

See section 3

Product use

3D Printing Filament

Supplier

Dynamism, Inc.

207 E Ohio St

Suite 200

Chicago, IL 60611

Email

sales@dynamism.com

Toll-Free Phone

800-711-6277

2. Hazards identification

GHS classification

Physical hazards

Not classified

Health hazards

Eye damage/irritation (Category 2A)

Environmental hazards

Not classified

GHS label elements

Hazard Pictograms**Signal word**

Warning

Hazard statement

Causes serious eye irritation

Precautionary statement

Prevention

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage

Not applicable.

Disposal

Not applicable.

Other hazards

Not applicable.

3. Composition / Information on Ingredients

COMPONENTS	CAS#	PERCENT
Poly(vinyl alcohol)	25213-24-5	>80%

4. First Aid Measures

First aid procedures

Eye contact

Immediately flush eyes with plenty of water. If easy to do, contact lenses should be removed during the flushing, by trained personnel. Occasionally hold the eyelids apart during the flushing to ensure rinsing the entire surface of the eye and lids with water. Get medical attention if irritation persists.

Skin contact

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

Inhalation

Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms.

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

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Dispose of contaminated extinction water according to official regulations.

Hazardous combustion products

Oxides of carbon and other toxic fumes.

6. Accidental Release Measures

Personal precautions

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. For personal protection see section 8.

Environmental precautions

Do not let large amount of product enter drains.

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed and properly labelled containers for disposal.

7. Handling and Storage

Handling

Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage

Keep container tightly closed in a dry and well-ventilated place. Store away from incompatible materials.

8. Exposure Controls / Personal Protection

Control parameters: Occupational exposure limits

US. Workplace Environmental Exposure Level (WEEL) Guides

Appropriate engineering controls

Use in a well-ventilated area.

Individual protection measures, such as personal protective equipment:

Eye / face protection

Chemical safety goggles.

Skin protection

Wear suitable protective clothing to prevent skin exposure

Respiratory protection

Suitable respiratory protective device recommended.

General hygiene considerations

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

9. Physical & Chemical Properties

Appearance

Physical state

Solid

Form

Solid

Color

White translucent

Initial boiling point and boiling range

Not available

Flash point

Not available

Evaporation rate

Not available

Flash point

Not available

Flammability (solid, gas)

Not available

Explosion limits

Not available

Vapor density

Not available

Relative Density

1.08

Solubility (water)

Soluble

Partition coefficient

Not available

Auto-ignition temperature

Not available

Decomposition temperature

Not available

Specific gravity

Not available

Flammability limits in air, upper, %by volume

Not available

Flammability limits in air, lower, % by volume

Not available

VOC

Not available

Percent volatile

Not available

Odor

Not available

Odor threshold

Not available

pH

Not available

Vapor pressure

Not available

Melting point/Freezing point

178°C

Other data

Viscosity

Not available

10. Stability & Reactivity

Chemical stability

Material is stable under normal conditions.

Hazardous decomposition products

Oxides of carbon and other toxic fumes.

Conditions to avoid

Incompatible materials. Strong heat.

Possibility of hazardous reactions

No dangerous reactions known.

Incompatible materials

Avoid contact with other chemicals, oxidizing agents, strong alkalis and strong acids.

11. Toxicological Information

Toxicokinetics, metabolism and distribution

Non-human toxicological data

Not available

LCS0(Inhalation, Rat)

Not available

STOT- single exposure:

Not classified

Serious eye damage/irritation

Causes serious eye irritation

STOT-repeated exposure:

Not classified

Respiratory or skin sensitization

Not classified

Aspiration hazard

Not classified

Information on toxicological effects

Acute toxicity

Germ cell mutagenicity

Not classified

LDS0(Oral, Rat)

Not available

Carcinogenicity

Not classified

LD50(Dermal, Rabbit)

Not available

Reproductive toxicity:

Not classified

12. Ecological Information

Toxicity

ACUTE TOXICITY		TIME	SPECIES	METHOD	EVALUATION	REMARKS
LC50	N/A	96h	Fish	OECD203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability

Not available.

Results of PBT&vPvB assessment

Not available.

Bioaccumulative potential

Not available.

Other adverse effects

No known significant effects or critical hazards.

Mobility in soil

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

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

16. Other Information

HMIS® ratings

Health: 1

Flammability: 1

Physical hazard: 0

NFPA ratings

Health: 1

Flammability: 1

Instability: 0

Disclaimer

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