1. Product and Company Identification

1.1 Product identifiers

Product Name: HATCHBOX PETG 3D Printer Filament
Producer: HATCHBOX
Product Number: 3D PETG
CAS-No.: Not available - mixture

1.2 Identified uses of the product and uses advised against

Identified Uses: 3D printer filament, thermoplastic polymer

1.3 Details of the chemical supplier

Company: HATCHBOX
Address: 2675 Pomona Blvd
Pomona, CA 91768
USA
Telephone: +1 (909) 655-0163

1.4 Emergency phone number

Emergency phone number: +1 (800) 424-9300 (CHEMTREC Emergency Telephone, 24 hrs-a-day / 7 days-a-week)

2. Hazards Identification

2.1 Classification of the substance or mixture according to GHS

GHS class: Not a hazardous substance or mixture

Classification according to Regulation (EC) No 1272/2008

1272/2008 class: Based on present data no classification and labelling is required according to Directive 1272/2008/EC and its amendments (CLP Regulation, GHS)

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

67/548/EEC class: According to present data no classification and labelling is required according to Directives 67/548/EEC
1999/45/EC class: According to present data no classification and labelling is required according to Directives 1999/45/EC

Information concerning particular hazards for human and environment

No particular hazards for human and environment.

Classification system

The classification is according to the latest editions and extended by company and literature data.

2.2 GHS Label elements, including precautionary statements

GHS pictograms: None
Signal word: None
Hazard statements: None
Precautionary statements: None

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

NFPA ratings (scale 0 – 4)

Health - 0
Fire - 0
Reactivity - 0
**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS**

Complete toxicity data are not available for this specific formulation. Potential route of overexposure to this product may include eye and skin contact, and inhalation of excessive amounts of dust or heat-released vapors. Ingestion is not expected to be a significant route of exposure for this product under normal use conditions.

Product is a non-toxic solid material having minimal odor. Vapors and other heat-released air emissions may be irritating to the eyes, skin, and respiratory system. Under fire conditions, product will readily burn and emit a heavy, irritating smoke. Contact with molten material may cause serious thermal burns.

### 3. Composition/Information on Ingredients

#### 3.1 Product mixture

| Synonyms | Polyethylene terephthalate copolymer, PETG, PET copolymer with glycol |
| Formula | Mixture |
| Molecular wt | Mixture |
| CAS-No. | Mixture |
| EC-No. | Mixture |

| Chemical Name | CAS-No. | EC-No. | Ingredient Percent |
| Polyethylene terephthalate glycol copolymer | n/a | n/a | n/a |

**Remarks**

There are no additional hazardous ingredients greater than or equal to 1.0 wt% concentration or carcinogenic ingredients greater than or equal to 0.1 wt% concentration.

### 4. First Aid Measures

#### 4.1 Description of first aid measures

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**Skin contact**

Keep away from open cuts and irritated skin. If skin has contact with molten material, place affected area under cold running water. Seek medical attention for removal of material from the affected area. Consult a physician if symptoms occur.

**Eye contact**

If dust or vapors contacts the eyes rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If molten material contacts eyes, rinse with water and seek medical attention immediately.

**Inhalation**

Move person to fresh air. Consult a physician if difficulties in breathing or other symptoms occur.

**Ingestion**

Rinse mouth with water and consult a physician if gastrointestinal or other symptoms occur.

#### 4.2 Most important symptoms and effects, both acute and delayed

**Symptoms and effects**

The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.

#### 4.3 Indication of any immediate medical attention and special treatment needed

**Other first aid**

No data available

### 5. Fire Fighting Measures

#### 5.1 Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media**

Use alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### 5.2 Special hazards arising from the substance or mixture

**Special hazards**

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Decomposition products may include the following materials: carbon dioxide, carbon monoxide.
5.3 Advice for firefighters
   Protective equipment
   Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures
   Personal precautions
   Avoid contact with skin and eyes. Avoid breathing vapors, mist or dust. Ensure adequate ventilation in areas where dust can accumulate. Remove all sources of ignition and evacuate personnel to safe areas. Dust can accumulate in low areas when dealing with large quantities. For personal protection see section 8.

6.2 Environmental precautions
   Environmental precautions
   Prevent runoff into sewers and drains. Recover as much of the material as possible. Prevent further leakage and safe to do so.

6.3 Methods and materials for containment and cleaning up
   Methods for cleanup
   Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with a shovel or mechanical means and place in container for disposal according to local regulations (see Section 13). Prevent accumulation of vapours/dust during clean up. Keep in suitable, closed containers for disposal. Contain spillage.

6.4 References to other sections
   Other references
   For disposal see section 13.

7. Handling and Storage

7.1 General hygiene considerations
   General hygiene
   Avoid contact with eyes. Avoid inhalation of vapor or dust. Use local exhaust or general dilution ventilation to control exposure and dust within applicable limits. Keep away from high temperatures and sources of ignition. For precautions see section 2.2. Wash hands after use. Individuals with respiratory disease, including but not limited to asthma and bronchitis, or subject to eye irritation, should not be exposed to dust overexposures.

7.2 Precautions for safe handling
   Safe handling precautions
   Keep container tightly closed in a dry and well-ventilated place. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Keep away from high temperatures and potential sources of ignition. Non-combustible solids.

7.3 Conditions for safe storage, including any incompatibilities
   Other storage conditions
   Store product in a dry environment, away from strong bases and oxidizers. Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1 Control and exposure limits recommended by the chemical manufacturer
   OSHA standards
   Contains no substances with occupational exposure limit values.
   ACGIH TLV
   Contains no substances with occupational exposure limit values.
   NIOSH recommendations
   Contains no substances with occupational exposure limit values.

8.2 Appropriate engineering controls
   Engineering controls
   Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of day. Use adequate ventilation where dust forms to keep concentration under exposure control limits. Keep away from high temperatures and sources of ignition.

8.3 Individual protection measures, such as personal protective equipment
   Respiratory protection
   Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
   Eye/face protection
   Safety glasses with side-shields conforming to EN166 are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
   Hand protection
   Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance: Solid, various colors
b) Odor: Slight odor
c) Odor threshold: No data available
d) pH: No data available
e) Melting/freezing point: No data available
f) Boiling point: No data available
g) Flash point: No data available
h) Evaporation rate: No data available
i) Flammability (solid, gas): No data available
j) Upper/lower flammability or explosive limits:
   - Upper (UEL): No data available
   - Lower (LEL): No data available
k) Vapor pressure: No data available
l) Vapor density: No data available
m) Relative density: No data available
n) Water solubility: No data available
o) Partition coefficient octanol/water: No data available
p) Auto-ignition temp: No data available
q) Decomposition temp: No data available
r) Viscosity: No data available

10. Stability and Reactivity

10.1 Reactivity
Reactivity: No data available

10.2 Chemical stability
Chemical stability: Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions
Hazardous reactions: No data available

10.4 Conditions to avoid
Conditions to avoid: Contact with incompatible chemicals and exposure to extremely high temperatures.

10.5 Incompatible materials
Incompatible materials: Strong oxidizers, strong acids, acid chlorides, acid anhydrides, chloroformates, or strong reducing agents.

10.6 Hazardous decomposition products
Hazardous products: None under normal processing. In the event of fire, see section 5.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
- Acute oral toxicity: No data available
- Acute intravenous toxicity: No data available
- Acute dermal toxicity: No data available
- Acute inhalation toxicity: No data available

Skin corrosion/irritation
- Skin corrosion irritation: May cause irritation to open cuts and irritated skin
Serious eye damage/eye irritation
Eye damage/eye irritation Vapors or flakes may cause irritation to eyes

Respiratory or skin sensitization
Respiratory sensitizer No data available
Skin sensitizer No data available

Germ cell mutagenicity
Mutagenicity No data available

Carcinogenicity
Carcinogenicity No data available

Suspected cancer agent
ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
NTP No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
IARC No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Reproductive toxicity
Reproductive toxicity No data available

Aspiration hazard
Aspiration hazard No data available

12. Ecological Information

12.1 Ecotoxicity (aquatic and terrestrial)
Ecotoxicity No data available

12.2 Persistence and degradability
Degradability No data available

12.3 Bioaccumulation potential
Bioaccumulation No data available

12.4 Mobility in soil
Mobility in soil No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment Not available as chemical safety assessment not required/not conducted.

13. Disposal Considerations

13.1 Waste treatment methods
Waste treatment disposal For consumer use, dispose of in trash can. Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

14. Transport Information

DOT
Not dangerous goods.

IMDG
Not dangerous goods.

IATA
Not dangerous goods.
15. Regulatory Information

15.1 Safety, health, and environmental regulations specific to the product or mixture

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

**SARA 313 Components**
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**
No hazards.

**TSCA**
All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements.

**Canada DSL**
All components of this product are on the Canada Domestic Substance List or are exempt from DSL requirements.

**WHMIS classification**
No ingredients are hazardous according to the CPR criteria.

**CA Prop. 65 components**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Hazard symbols**
None

**Risk phrases**
None

**Safety phrases**
None

**International lists**
- Australia - AICS: The materials are listed or exempted
- Canada - The materials are listed or exempted
- China - IECSC: The materials are listed or exempted
- Europe - EINECS: The materials are listed or exempted
- Japan - ENCS/ISHL: The materials are listed or exempted
- Malaysia - The materials are listed or exempted
- New Zealand - NZIoC: The materials are listed or exempted
- Philippines - PICCS: The materials are listed or exempted
- Korea - KECl: The materials are listed or exempted
- Taiwan - NECl: The materials are listed or exempted
- Turkey - The materials are listed or exempted
- United States - The materials are listed or exempted

16. Other Information

**HMIS Rating**
- Health hazard: 0
- Flammability: 0
- Physical Hazard: 0

**NFPA Rating**
- Health hazard: 0
- Fire Hazard: 0
- Reactivity Hazard: 0

**Revision Date**
3 January 2017

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. HATCHBOX assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, HATCHBOX assumes no responsibility for injury to vendee or third persons proximately caused by use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

**Abbreviations and acronyms**
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- PBT: Persistent, bioaccumulative and toxic assessment
- vPvB: Very persistent and very bioaccumulative assessment
- ACGIH: American Conference of Governmental Industrial Hygienists
- NIOSH: National Institute for Occupational Safety and Health
- TLV: Threshold Limit Values
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association
- HMIS: Hazardous Materials Identification System
- CFR: Code of Federal Regulations
- SARA: Superfund Amendments and Reauthorization Act
- DOT: US Department of Transportation
EC50 - Half maximal effective concentration
LD50 - Median lethal dose
LC50 - Median lethal concentration
SDS - Safety Data Sheet
PEL - Permissible Exposure Limit
TSCA - Toxic Substances Control Act