



Health	0
Fire	1
Reactivity	0
Personal Protection	B

## Material Safety Data Sheet

### Section 1: Chemical Product and Company Identification

**Product Name:** Dyna-Purge D2

**Product Form:** Mixture of pellets

**Product Use:** Thermoplastic Purging Compound

**Contact Information:**

Filabot

305 South Main St. Barre, VT 05641 USA

Contact@Filabot.com

802-505-6772

### Section 2: Composition and Information on Ingredients

**Classification:** Not classified as hazardous under established regulatory criteria OSHA Standard 29CFR-1910.1200 and CPL-Regulation(EC) No 1272/2008. Not classified as dangerous under EU Directive 67/548/EEC. Not assessed as PBT or vPvB substances according to Regulation (EC) No 1907/2006, Annex XIII.

**Label Elements:** In accordance with OSHA and CLP regulations, no labeling, including signal word, hazard and precautionary statements, is required.

**Other Hazards**

**Inhalation:** Dust, Exposure to airborne concentrations may cause irritation of the nose, throat and lungs. Vapor: Melt processing may cause vapors which could cause irritation of the respiratory tract, coughing and shortness of breath.

**Ingestion:** No significant health hazards identified.

**Skin:** Possible skin irritation. Heated material can cause thermal burns.

**Eyes:** Dust may cause irritation. Vapors from heated material may cause irritation. Heated material can cause thermal burns.

### Section 3: Hazards Identification

**Substances:** Not applicable

**Other Mixtures:** High molecular weight polymers classified as non-hazardous under OSHA Hazard Communication Standard 29CFR-1910.1200 and CLP-Regulation (EC) No 1272/2008 [CLP]. FDA Compliant ingredients (CFR Title 21, Part 177)

### Section 4: First Aid Measures

**Description of first aid measures**

**Inhalation:** Remove to fresh air. If breathing difficulty persists, get medical attention. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Adverse symptoms may include respiratory tract irritation and coughing.

**Eye Contact:** Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation occurs. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes. Adverse symptoms may include irritation and redness.

**Skin Contact:** Wash with soap and water. If burned by contact with hot material, flush skin with large amounts of water. Do not attempt to peel hot polymer from skin. Thermal burns require immediate medical attention. No known significant effects or critical hazards.

**Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Get medical attention if symptoms occur. No known significant effects or critical hazards.

*Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled*

## Section 5: Fire and Explosion Data

**Extinguishing Media:** Water spray (fog), foam or dry chemical. Do not use water jet.

**Special Exposure Hazards:** High dust concentrations have a potential for combustion or explosion. Heated material can form flammable vapors and irritating gases. Hazardous thermal decomposition products may include carbon dioxide, carbon monoxide, methyl methacrylate and low levels of aldehyde's, ketones, organic acids or hydrocarbons.

**Equipment for Fire Fighters:** Full protective clothing and NIOSH / MSHA approved self-contained breathing apparatus.

## Section 6: Accidental Release Measures

**Personal Precautions:** May be slippery; use care to avoid falling. Avoid breathing dust and vapor.

**Environmental Precautions:** Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains and sewers. Avoid creating dusty conditions and prevent wind dispersal.

**Method for Clean Up:** Vacuum or sweep up material and place in a designated labeled waste container. Keep dust to a minimum. Dispose of via a licensed waste disposal contractor.

## Section 7: Handling and Storage

**Precautions for safe handling:** When handling hot material, wear heat resistant protective gloves, clothing and face shield that are able to withstand the temperature of the heated product. Do not inhale fumes or vapors from molten product. Avoid creating dust. Use adequate ventilation.

**Conditions for safe storage, including any incompatibilities:** Keep container closed. Store in a cool, well-ventilated area. Keep away from heat and direct sunlight. Incompatible with strong acids and oxidizers.

**Specific end use(s):** Thermoplastic purging compound.

## Section 8: Exposure Controls/Personal Protection

### Control Parameters:

Particulates ACGIH TLV (United States)

TWA: 10 mg/m<sup>3</sup> 8 hour(s). Form: Inhalable

TWA: 3 mg/m<sup>3</sup> 8 hour(s). Form: Respirable fraction

Methyl methacrylate (CAS # 80-62-6)

ACGIH TLV: 50 ppm, 410 mg/m<sup>3</sup> 8 hours; STEL 100 ppm

OSHA: PEL 100 ppm, 410 mg/m<sup>3</sup> 8 hours

**Exposure Controls:** Provide local ventilation or other engineering controls to keep airborne contaminants below any recommended or statutory exposure limits. Proper purging and shutdown procedures should be followed to avoid overheating. Keep purge piles small and purge into a vessel of water to solidify used compound and minimize vapors. Use good industrial housekeeping and hygiene practices.

### Individual protection measures

**Respiratory:** Processing may produce dust and/or fumes. To minimize the risk of overexposure, it is recommended that a local exhaust system is placed above the equipment and that the working area is properly ventilated. If ventilation is inadequate, use certified respirator.

**Eyes / Face:** If heated, wear safety glasses with side shields or face shield.

**Hands / Skin:** Hot Material: Wear heat resistant protective gloves. Cold Material: None required; however, use of protective clothing is good industrial practice.

## Section 9: Physical and Chemical Properties

### Appearance

**Physical State:** Solid pellets and granules

**Color:** Clear to opaque

**Odor:** Odorless or mild odor

**Melting/Freezing Point:** 110°-150°C (230°-300°F)

**Density:** 0.92 – 1.18

**Solubility in water:** Negligible

**Autoignition Temperature:** 390°C (734°F)

## Section 10: Stability and Reactivity Data

**Chemical Stability:** Stable

### Possibility of Hazardous

**Reactions:** Will not occur under normal conditions of storage and use.

**Conditions to Avoid:** Stable under recommended storage and handling conditions. If heated >300°C, may form vapors or fumes which could cause irritation of the respiratory tract, coughing and shortness of breath. Keep away from open flame.

**Incompatible Materials:** Strong acids and oxidizing agents

**Hazardous Decomposition Products:** Thermal decomposition products are carbon monoxide and/or carbon dioxide and methyl methacrylate. Low levels of aldehyde's, ketones, organic acids or hydrocarbons may be formed.

## Section 11: Toxicological Information

**Carcinogenicity:** No component of this product at levels >0.1% is identified as a carcinogen by ACGIH, NTP, OSHA or IARC.

## Section 12: Ecological Information

**Results for PBT and vPvB Assessment:** This product does not contain substances identified as PBT/vPvB

**Other Adverse Effects:** No specific data available. Do not allow to penetrate soil, waterbodies or drains

## Section 13: Disposal Considerations

**Waste Disposal:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Dispose of in accordance with all applicable local and national regulations.

**RCRA Classification:** Not hazardous under RCRA 40 CFR Part 261.

## Section 14: Transport Information

UN number not regulated

Not regulated for transport (IMO/IMDG, IATA/ICAO, ADR/RID, DOT, TDG, Mexico)

## Section 15: Other Regulatory Information

**US Federal Regulations:** United States Inventory (TSCA 8b): All components are listed or exempted.

SARA Title III 302 extremely hazardous materials: No products were found.

SARA Title III 311/312 hazardous materials: No products were found.

SARA Title III 313 toxic chemicals: Does not contain any chemical components with known CAS numbers that exceed the threshold (Di Minimus) reporting levels.

**WHMIS (Canada):** Not controlled under WHMIS

**FDA:** FDA compliant ingredients (CFR Title 21, Part 177)

**REACH:** All components pre-registered, registered, or exempted, according to regulation.

**REACH SVHCs:** No SVHCs intentionally added.

**WEEE/RoHS2:** Does not contain any substances classified as hazardous.

**Global Inventories:** On inventory with: TSCA, IECSC, DSL, ENCS, EINECS, KECI, AICS, PICCS, NZIoC, NECI

## Section 16: Other Information

**Created:** 02-21-17

**Last Updated:** 02-21-17

*The information in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate. This SDS contains a general summary of hazards known to Filabot, but does not purport to describe every hazard that exists. Filabot expects each customer or user of its products (each, a "User") to study this SDS carefully and consult appropriate expertise to become aware of any hazards associated with Filabot products. FILABOT MAKES NO WARRANTY, EXPRESS OR IMPLIED, REGARDING THE INFORMATION CONTAINED HEREIN OR ITS PRODUCTS, INCLUDING BUT NOT LIMITED TO ANY WARRANTY AS TO ACCURACY OR COMPLETENESS OF INFORMATION, OR ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE..*

