



DYNA-PURGE E2

Safety Data Sheet

Revised: JULY 2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Dyna-Purge E2

Product Use: Thermoplastic Purging Compound

Manufacturer: Shuman Plastics
Address: 35 Neoga Street
Depew, NY 14043

Phone / Fax: (716)685-2121 / (716)685-3236

Emergency Phone: (716)685-2121

Transportation
Emergency Phone: Chemtrec Emergency Number (800)424-9300 (US); (703)527-3887 (outside US)

2. HAZARDS IDENTIFICATION

Classification: Not classified as hazardous under established regulatory criteria OSHA Standard 29CFR-1910.1200 and CLP-Regulation (EC) No 1272/2008. Not classified as dangerous under EU Directive 1999/45/EC.

Label Elements: In accordance with OSHA and CLP regulations, no labeling 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances: Not applicable

Mixtures: High molecular weight polymers classified as non-hazardous under OSHA Hazard Communication Standard 29CFR-1910.1200 and CLP-Regulation (EC) No 1272/2008.

FDA Compliant ingredients (CFR Title 21, Part 177)

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing difficulty persists, get medical attention.

Eye contact: Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation occurs.

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.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Get medical attention if symptoms occur.

5. FIRE FIGHTING MEASURES

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 aldehydes, ketones, organic acids or hydrocarbons.

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

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.

7. HANDLING AND STORAGE

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.

Storage: Keep container closed. Store in a cool, well-ventilated area. Keep away from heat and direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Particulates ACGIH TLV (United States)
TWA: 10 mg/m³ 8 hour(s).
TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction

Methyl methacrylate (CAS # 80-62-6)
ACGIH TLV: 50 ppm, 410 mg/m³ 8 hours; STEL 100 ppm
OSHA: PEL 100 ppm, 410 mg/m³ 8 hours

Engineering 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.

Personal Protective Equipment:

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State:	Solid pellets and granules
Color:	Clear to opaque
Odor:	Odorless or mild odor
Odor Threshold:	No test data available
pH:	Not applicable
Melting/Freezing Point:	110°-150°C (230°-300°F)
Boiling Point:	Not applicable
Flash Point:	>343°C (649°F) Closed cup
Evaporation Rate:	Not applicable
Flammability:	No
Flammability Limits in Air:	Lower: Not applicable Upper: Not applicable
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Density:	0.92 – 1.18
Solubility in water:	Negligible
Partition Coefficient, n-octanol/water:	No test data available
Autoignition Temperature:	390°C (734°F)
Decomposition Temperature:	No test data available

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Hazardous Polymerization:	Will not occur
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.
Incompatible Materials:	Acids, alkalies, strong oxidizing agents
Hazardous Decomposition Products:	Thermal decomposition products are carbon monoxide and/or carbon dioxide and methyl methacrylate. Low levels of aldehydes, ketones, organic acids or hydrocarbons may be formed.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity:	No component of this product at levels >0.1% is identified as a carcinogen by ACGIH or International Agency for Research on Cancer (IARC).
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12. ECOLOGICAL INFORMATION

No ecological information is known.

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.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport (IMO/IMDG, IATA/ICAO, ADR/RID, DOT, TDG, Mexico), UN number not applicable.

15. 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 or exempted, according to regulation.
REACH SVHCs:	No SVHCs intentionally added.
WEEE / RoHS:	Does not contain any substances classified as hazardous.
Global Inventories:	On inventory with: TSCA, IECSC, DSL, ENCS, EINECS, KECI, AICS, PICCS, NZIoC, NECI

16. OTHER INFORMATION

Hazardous Material Information System:	Health: 0	Flammability: 1	Physical Hazards: 0
	The customer is responsible for determining the PPE code for this material.		
National Fire Protection System:	Health: 0	Flammability: 1	Instability: 0

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May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910, 1200. Standard must be consulted for specific requirements.