



Productivity begins with purging®

DYNA-PURGE RF Safety Data Sheet

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Version: 1.2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Dyna-Purge RF

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 anticipated.

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:

Material	CAS Number	%
Thermoplastic resins	various	> 72%
Oleamide	301-02-0	> 4%
Talc	14807-96-6	> 17%

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 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/m ³ 8 hour(s). TWA: 5 mg/m ³ 8 hour(s). Form: Respirable fraction
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:	Inert granular solid. Pellets.
Color:	Gray & white
Odor:	Odorless or mild odor
Odor Threshold:	No test data available
pH:	Not applicable
Melting/Freezing Point:	Not determined
Boiling Point:	Not applicable
Flash Point:	Not applicable
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 – 1.25
Solubility in water:	Negligible
Partition Coefficient, n-octanol/water:	No test data available
Autoignition Temperature:	No test data available
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. During thermal decomposition, 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. Low levels of aldehydes, ketones, organic acids or hydrocarbons may be formed.

11. TOXICOLOGICAL INFORMATION

This product contains crystalline silica which is considered a hazard by inhalation. IARC has classified CS as a carcinogenic for humans.

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 regulated for transport.

15. REGULATORY INFORMATION

WHMIS (Canada):	Not controlled under WHMIS.
FDA:	FDA compliant ingredients (CFR Title 21, Part 177)
REACH SVHCs:	No SVHCs intentionally added.
Global Inventories:	On inventory with: TSCA, DSL

16. OTHER INFORMATION

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

National Fire Protection System: Health: 1 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.