GREENSTREAK GROUP, INC.
A Family of Construction Companies

## 1. PRODUCT AND COMPANY INDENTIFICATION

Company
The Greenstreak Group, Inc.
3400 Treecourt Industrial Blvd.
St. Louis, MO 63122

HOTLINE: (800) 441 7515

**Greenstreak Product: PE Concrete Hopper**

DPE 20, 20-6064, 2010, 2020, 2020T

## 2. COMPOSITION/ INFORMATION ON INGREDIENTS

Components

| Material | CAS Number % |
|---|---|
| ETHYLENE HOMOPOLYMER | 9002-88-4 >99 |

Components (Remarks)
Material is not known to contain Toxic Chemicals under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

## 3. HAZARDS IDENTIFICATION

Potential Health Effects
**ADDITIONAL HEALTH EFFECTS**
Before using DuPont Polyethylene Resins, read the bulletin on the safe handling of these polymers.

ACUTE OR IMMEDIATE EFFECTS: ROUTES OF ENTRY AND SYMPTOMS

**INGESTION** Not a probable route of exposure. The LD-50 in rats of one type of polyethylene is 8 grams/kilogram body weight; this classifies polyethylene as having low toxicity. Ninety day feeding tests at the 5% level in rats produced no adverse effects.

**SKIN** Animal tests with polyethylene showed no evidence for skin irritation or sensitization. No dermatitis problem is expected from routine handling of the polymer. Molten polymer contacting the skin will cause thermal burns.

**EYE** Mechanical irritation only.

**INHALATION** Polyethylene pellets are not respirable as sold. At processing temperatures above 325 C (617 F), fumes irritating to the eyes, nose and throat may be produced. This exposure may result in redness, tearing and itching of the eyes and soreness in the nose and throat together with coughing.


Carcinogenicity Information
None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

## 4. FIRST AID MEASURES

**INHALATION**
If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician.

**SKIN CONTACT**
The compound is not likely to be hazardous by skin contact but cleansing the skin after use is advisable. If molten material gets on skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical treatment for thermal burn.

**EYE CONTACT**
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**INGESTION**
No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician if necessary.

## 5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point : 341-365 C (646-689 F)
Method : ASTM D1929

Fire and Explosion Hazards:

**UNUSUAL FIRE, EXPLOSION HAZARDS** The solid polymer can be combusted only with difficulty. An electrostatic charge can potentially build up when pouring pellets. Grounding of equipment is recommended.

**HAZARDOUS COMBUSTION PRODUCTS** Complete combustion gives carbon dioxide and water. Incomplete combustion gives in addition carbon monoxide, organic acids, aldehydes and alcohols.

**Extinguishing Media**
Water, Foam, Dry Chemical, CO2.

**Fire Fighting Instructions**
Wear self-contained breathing apparatus (SCBA) and full protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

**Safeguards (Personnel)**
NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

**Spill Clean Up**
Sweep up to avoid slipping hazard.

## 7. HANDLING AND STORAGE

**Handling (Personnel)**
See FIRST AID and PERSONAL PROTECTIVE EQUIPMENT SECTIONS.

**Storage**
Store in a cool, dry place. Keep container closed to prevent contamination.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls
**VENTILATION**: Local ventilation should be used over processing equipment.

**Personal Protective Equipment**

**EYE/FACE PROTECTION**
Wear safety glasses. Wear coverall chemical splash goggles and face shield when possibility exists for eye and face contact due to splashing or spraying of molten material.

**RESPIRATORS**
A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge with a dust/mist filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**PROTECTIVE CLOTHING**
If there is potential contact with hot/molten material, wear heat resistant clothing and footwear.

Exposure Guidelines
Exposure Limits

POLYETHYLENE RESINS ALL IN SYNONYM LIST DPE018

| | |
|---|---|
| PEL (OSHA) : | Particulates (Not Otherwise Regulated)<br>15 mg/m3, 8 Hr. TWA, total dust<br>5 mg/m3, 8 Hr. TWA, respirable dust |

Other Applicable Exposure Limits

ETHYLENE HOMOPOLYMER

| | |
|---|---|
| PEL (OSHA) : | None Established |
| TLV (ACGIH) : | None Established |
| AEL * (DuPont) : | 10 mg/m3, 8 & 12 Hr. TWA, total dust<br>5 mg/m3, 8 & 12 Hr. TWA, respirable dust |


* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

| | |
|---|---|
| Melting Point: | 110-140 C (230-284 F) |
| % Volatiles: | NA |
| Solubility in Water: | Negligible |
| Odor: | Mild hydrocarbon |
| Form: | Pellets |
| Color: | White |
| Specific Gravity: | 0.90-0.98 |

## 10. STABILITY AND REACTIVITY

**Chemical Stability**
Stable at normal temperatures and storage conditions.

**Conditions to Avoid**
Temperatures above 325 C (617 F) .

**Incompatibility with Other Materials**
None reasonably foreseeable.

**Decomposition**
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide and hydrocarbon oxidation products including organic acids, aldehydes and alcohols.

**Polymerization**
Polymerization will not occur.

## 11. ECOLOGICAL INFORMATION

Ecotoxicological Information

**AQUATIC TOXICITY:**
No information is available. Toxicity is expected to be low based on insolubility in water .

## 12. DISPOSAL CONSIDERATIONS

**Waste Disposal**

Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill. The high fuel value of this product makes option 2 very desirable for material that cannot be recycled. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.


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## 13. TRANSPORT INFORMATION

Shipping Information

DOT
Proper Shipping Name : Not regulated

## 14. REGULATORY INFORMATION

**U.S. Federal Regulations**
**TSCA Inventory Status :** In compliance with TSCA Inventory requirements for commercial purposes.

**State Regulations (U.S.)**

STATE RIGHT-TO-KNOW LAWS
No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet.

SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST PRESENT AT A CONCENTRATION OF 1% OR MORE (0.01% FOR SPECIAL HAZARDOUS SUBSTANCES): None known.

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: None known.

SUBSTANCES ON THE NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE LIST PRESENT AT A CONCENTRATION OF 1 % OR MORE (0.1% FOR SUBSTANCES IDENTIFIED AS CARCINOGENS, MUTAGENS OR TERATOGENS): None known.

## 15. OTHER INFORMATION

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.