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Purging Compounds That Really Work
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MATERIAL SAFETY DATA SHEET

Purgex

MSDS NO. 21-10

I. IDENTIFICATION

Purgex™ BLENDS 456, 456+, 457, 457+, 3056, 3056+, 3057, 3057+, 3058, 4000
Purgex™ CONCENTRATES 201, 526, 527, SOLEX

Purgex™ BLENDS

- Purgex™ 456: 95% PE + 5% Purgex™ 526
- Purgex™ 456 Plus: 92.5% PE + 7.5% Purgex™ 527
- Purgex™ 457: 85% PE + 5% Purgex™ 526 + 10% PE (30% glass filled)
- Purgex™ 457 Plus: 82.5% PE + 7.5% Purgex™ 527 + 10% PE (30% glass filled)
- Purgex™ 3056: 95% modified PE + 5% Purgex™ 526
- Purgex™ 3056 Plus: 82.5% PE + 7.5% Purgex™ 527 + 10% modified PE
- Purgex™ 3057: 85% modified PE + 5% Purgex™ 526 + 10% PE (30% glass filled)
- Purgex™ 3057Plus: 72.5% PE + 7.5% Purgex™ 527 + 10% modified PE + 10% PE (30% glass filled)
- Purgex™ 3058: 45% modified PE + 8% Purgex™ 527 + 47% PE (30% glass filled)
- Purgex™ 4000: 82.5% PE + 7.5% Purgex™ 527 + 10% modified PE

Purgex™ CONCENTRATES

- Purgex™ 201 and SOLEX consist of three food additives; the identity of these is a trade secret.

Component	A	B	C
Product Name, Code, CAS, Formula	Trade Secret	Trade Secret	Trade Secret
Chemical Family	Organic Acid	Fatty Acid	Inorganic Acid
General Use	Food Additive	Food Additive	Food Additive

- Purgex™ 526 consists of five materials (Components A, B, C, D, and E), four of which are used as additives in food and one of which is used as an additive in pharmaceuticals; the identity of these is a trade secret.
- Purgex™ 527 consists of six materials (Components A, B, C, D, E and F), four of which are used as additives in food and two of which are used as additives in pharmaceuticals; the identity of these is a trade secret.

Component	A	B	C	D	E	F
Product Name, Code, CAS, Formula	Trade Secret	Trade Secret	Trade Secret	Trade Secret	Trade Secret	Trade Secret
Chemical Family	Organic Acid	Fatty Acid	Inorganic Acid	Inert Inorganic Salt	Inert Inorganic Salt	Inert Inorganic Salt
General Use	Food & Drug Additive	Food & Drug Additive	Food & Drug Additive	Food & Drug Additive	Food & Drug Additive	Food & Drug Additive

POLYETHYLENE DILUENTS
Chemical Name: Ethene, Homopolymer
CAS 9002884 100%
Appearance: Translucent, colorless pellets
All grades of polyethylene are FDA approved and are not considered hazardous materials under the OSHA Hazard Communication Standard.

II. CHEMICAL AND PHYSICAL PROPERTIES

	Purgex™ 456·456+·457·457+ 3056·3056+·3057·3057+·3058·4000	**Purgex™ 201·526·527 & SOLEX**
Physical Appearance	Translucent and white pellets	White pellets or powder
pH	NA	NA
Vapor Pressure	NA	NA
Boiling Point	NA	NA
Freezing Point	NA	NA
Solubility	Insoluble in water	Insoluble in water
Specific Gravity	0.91 to 1.02	bulk density - 37 PCF
Evaporation Rate	None	None
Percent Volatility	0	0
Chemical Stability	Stable	Stable
Polymerization	Will not occur	Will not occur
Odor	None	None
Appearance and color	Translucent and white pellets	White pellets or powder

III. HAZARDS IDENTIFICATION

	Purgex™ 456·456+·457·457+ 3056·3056+·3057·3057+·3058·4000	Purgex™ 201·526·527 & SOLEX
Health Hazard	0 Minimal	0 Minimal
Reactivity Hazard	0 Minimal	0 Minimal
Flammability Hazard	0 Minimal	0 Minimal
Unusual Fire and Explosion Hazard	None[2]	None

Polyethylene (translucent, colorless pellets)
A hazard warning is not required for polyethylene under OSHA Hazard Communication Standard (29 CFR 1910 - 1200).

Fire Fighting Procedures: Use dry chemical, water spray/water fog, foam or carbon dioxide or sand/earth. If possible, apply water spray from fogging nozzle and avoid high velocity water streams. Firefighters should wear self-contained breathing apparatus in the positive pressure mode with a full face piece when exposure to smoke and fumes is possible.

Hazardous polymerization will not occur.

Decomposition products are water and carbon dioxide.

1 Hazardous Materials Identification System (HMIS)
2 Slight under severe dusting of polyethylene

IV. HUMAN HEALTH DATA

Routes of entry....: Inhalation, Skin Contact, Eye Contact
HUMAN EFFECTS AND SYMPTOMS OF EXPOSURE:

	Purgex™ 456 3056 3058 456+ 3056+ 4000 457 3057 457+ 3057+	Purgex™ 201 & SOLEX (includes Components A-C)			Purgex™ 526 (includes Components A-E		Purgex™ 527 (all Components)
		Component A	Component B	Component C	Component D	Component E	Component F
Acute Skin Contact	None	No irritation	Irritating	Irritating mild	No hazard	In rare cases may cause skin irritation	Dryness, in rare cases may cause skin irritation
Acute Eye Contact	None	No irritation	Irritating	Irritating mild	Presumed to cause mechanical irritation	Irritating, flush with plenty of water	Presumed to cause mechanical irritation
Chronic Effects of Exposure	No data available	No data available	No info found showing adverse effects from overexposure	Large doses can produce alkalosis	Large oral doses can produce alkalosis	No effects	No effects
Carcinogenicity	Not carcinogenic	Not carcinogenic	Not listed as carcinogen by OSHA, NTF, or IARC	Not carcinogenic	Not carcinogenic	Not carcinogenic	Not carcinogenic
Medical Conditions Aggravated by Exposure	N/A	N/A	Pre-existing conditions increase susceptibility	N/A	None found	None	None

IV. HUMAN HEALTH DATA, continued

EXPOSURE LIMITS:

	Purgex™ 456 3056 3058 456+ 3056+ 4000 457 3057 457+ 3057+	Purgex™ 201 & SOLEX (includes Components A-C)			Purgex™ 526 (includes Components A-E		Purgex™ 527 (all Components)
		Component A	Component B	Component C	Component D	Component E	Component F
OSHA - PEL for Nuisance	15 mg/M^3 total	15 mg/M^3 total	15 mg/M^3 total	N/A	15 mg/M^3 total	15 mg/M^3 total	15 mg/M^3 total
Dust Respirable Fraction	5 mg/M^3	5 mg/M^3	5 mg/M^3		5 mg/M^3	5 mg/M^3	5 mg/M^3
ACGIH - TLV for Nuisance Dust	10 mg/M^3	10 mg/M^3 max	10 mg/M^3 max	N/A	10 mg/M^3 total	10 mg/M^3 total	10 mg/M^3 total
Acute Toxicological Oral LD50	10 g/Kg	10 g/Kg	N/A	6 g/Kg (20% Slurry)	N/A	N/A	N/A

EMERGENCY FIRST AID PROCEDURES:

Eyes	Flush eyes with cold water for 15 minutes	Flush eyes with cold water for 15 minutes	Flush eyes with cold water for 15 minutes	Flush eyes with cold water for 15 minutes	Flush eyes with cold water for 15 minutes	Flush eyes with cold water for 15 minutes	Flush eyes with cold water for 15 minutes
Skin contact	Water wash affected area	Water wash affected area	Water wash affected area	Water wash affected area	Water wash affected area	Water wash affected area	Water wash affected area
Inhalation	Remove to fresh air	Remove to fresh air	Remove to fresh air	Remove to fresh air	Remove to fresh air	Remove to fresh air	Remove to fresh air
Ingestion	Low health hazard, non-toxic, drink water to dilute	Low health hazard, non-toxic, drink water to dilute	Low health hazard, non-toxic, drink water to dilute	Low health hazard, non-toxic, drink water to dilute	Low health hazard, non-toxic, drink water to dilute	Low health hazard, non-toxic, drink water to dilute	Low health hazard, non-toxic, drink water to dilute

TLV - Threshold Limit Value

PEL - Permissible Exposure Limit

V. REACTIVITY DATA

Stability:	These are stable materials.
Hazardous Polymerization:	Will not occur.
Incompatibilities:	None known.
Decomposition Products:	In case of fire, carbon dioxide, steam, and other products of combustion.

VI. SPILL, LEAK, AND DISPOSAL PROCEDURES

PROCEDURE FOR CLEAN UP

Ordinary housekeeping procedures are adequate. Clean by vacuum or broom sweeping and remove to disposal container. Material can be landfilled. In case of spillage, sweep up and dispose of in accordance with federal, state, and local regulations.

According to federal hazardous waste regulations, 40 CFR 261.33, these materials are not listed as hazardous wastes.

VII. SPECIAL PRECAUTIONS

HANDLING & STORAGE
Keep containers sealed until ready for use.
Store in cool, dry area. Keep temperature below 150°F.
Not D.O.T. regulated.
Empty containers may contain residues and are subject to proper waste disposal, as above.

VIII. REGULATORY INFORMATION

This product is a mixture of ingredients all of which are listed on the TSCA (Toxic Substances Control Act) Chemical Substances Inventory.

NOTICE:
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End of MSDS