

Section 1 – COMPANY INFORMATION

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Trade Name PURGEX™ Purging Compound

DESCRIPTION.....	100# P/N	1000# P/N	1# SAMPLE P/N	MATERIAL	MAX TEMP
456 & 456 PLUS.....	122704	131191	127523	HDPE	500° F
3056 & 3056 PLUS....	122705	131876	127524	LDPE	600° F
457 PLUS	127906	131877	129669	HDPE + 10% glass	500° F
3057 PLUS	129493	132085	132488	LDPE + 10% glass	600° F

Hazardous Material Information System

Health 0 **Flammability..... 0** **Reactivity 0** **Protection..... X**
 * Chronic (Accumulates)
 0 Normal use Material 0 Will Not Burn 0 Stable X = Consult the
 1 Slight Hazard (temporary) 1 Possible to Burn 1 Unstable if Heated MSDS and
 2 Health Affected (lengthy) 2 Burns if Heated 2 Violent Chemical Change your supervisor
 3 Extreme Danger 3 Easily Burns 3 Shock and Heat Sensitive for your special
 4 Severe or Fatal 4 Very Easily Burns 4 May Explode workplace need
 NOTE: The HMIS may be not enough hazard information for this chemical in all workplaces. The HMIS system requires employee training about the system and about information in this MSDS.

Section 2 - Ingredients

Chemical/Common Name	CAS-Number	%	PEL-OSHA	TLV-ACGIH
Polyethylene, High & Low Density	9002-88-4	65 to 95	5 mg/m ³ (1)	10 mg/m ³ (1)
Fiberglass	65997-17-3	0.0 to 30	15 mg/m ³ (1) (3)	10 mg/m ³ (1) (3)
Organic Acid	Trade Secret	0.1 to 5	(2)	(2)
Fatty Acid	Trade Secret	0.1 to 5	(2)	(2)
Inorganic Acid	Trade Secret	0.1 to 5	(2)	(2)
Inert Inorganic Salt	Trade Secret	0.1 to 5	(2)	(2)

- (1) As respirable dust at 5 mg/m³
- (2) Non established
- (3) As nuisance dust at 15 mg/m³

CARCINOGENICITY Ingredients are not listed by IARC, NTP, or regulated by OSHA as a carcinogen.

Section 3 - Health Information

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE None expected. All grades of polyethylene are FDA approved and are not considered hazardous. Each of the other ingredients is a Food Additive and/or a FDA Additive, except for the glass which is non-toxic.

SYMPTOMS/EFFECTS OF OVEREXPOSURE As with any chemical, avoid contact with skin and eyes. Do not ingest. Dust from the product may cause irritation of the respiratory system, nausea, or dry taste in the mouth. May irritate eyes and skin – acts as a nuisance dust. Repeated or prolonged breathing of any dust may cause lung damage.

INHALATION Dust can cause discomfort of the nose, throat, and upper respiratory tract; coughing, choking or difficulty of breathing. If heated, fumes may be unpleasant and produce nausea and irritation of the upper respiratory tract.

INGESTION May cause gastrointestinal irritation, nausea. Large doses can produce alkalosis.

EYE Prolonged and/or repeated contact may cause mechanical irritation. If heated, serious thermal burns possible including discoloration, swelling, and blistering.

SKIN Prolonged and/or repeated contact may cause irritation but expected to be temporary. Not expected to be harmful to internal organs if absorbed through the skin.

PRIMARY ROUTES OF ENTRY Inhalation, skin contact, eye contact.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes while holding eyelids open. Remove any contact lenses to ensure thorough flushing. Call a physician.

Skin Contact: Immediately wash skin with plenty of water. If heated to high heat temperatures, thermal burns may result from skin contact. Do not try to peel the solidified material from the skin nor use solvents or thinners to dissolve it. The use of vegetable oil or mineral oil is recommended for removal of this material from the skin.

Inhalation: Move to fresh air.

Ingestion: Not expected to be harmful if swallowed. For excessive ingestion, drink water to dilute. Never give anything by mouth to an unconscious person.

Section 4 - Physical Data

Boiling Point (F)	NA	Specific Gravity (H2O=1).....	0.91 to 1.02
Vapor Pressure	NA	Evaporation Rate (Water = 1)	NA
Vapor Density (Air = 1)	NA	Percent Volatile.....	NA
Solubility in Water.....	Insoluble	Melting point	212-280° F (100-135° C)
Appearance and Odor	Translucent and white pellets or powder		

Section 5 – Fire and Explosion Data

Flash Point (PMCC) NA Flammable Limits..... LEL = NA UEL = NA
Autoignition temperature about 716° F (380° C)

Extinguishing Media Use media suitable for surrounding materials. Water spray, fog, or mist: foam, carbon dioxide, sand, dirt, or dry chemical.

Special Fire Fighting Procedures Surface burning material: high velocity water will spread the burning surface layer.

Unusual Fire and Explosion Hazards

It is difficult to ignite and will not support continued burning in the absence of an external heat source. Dust explosions always must be considered under conditions of high dust concentration in the presence of an ignition source.

Section 6 – Reactivity Data

Incompatibility (Conditions to Avoid) Acids, strong oxidizers, free halons.

Hazardous Decomposition Products Water, CO₂, alcohols, aldehydes, acids, and ketones from high heat processing or combustion.

Is the Product Stable? Yes

Section 7 - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled

Avoid dusting and contain spill. Uncontaminated material may be scooped up for use. If contaminated, scoop or vacuum into a container for disposal. Remove sources of ignition. Wear personal protective equipment. Do not allow to enter sewers or watercourses. Material can be land filled. If spilled hot, allow to cool and solidify before proceeding. **Static electricity – static charges may accumulate on product causing an electrical discharge hazard.**

Waste Disposal Methods

Dispose of in accordance with Local, state, and Federal regulations. Depending upon product condition, it may be suitable for reprocessing.

Section 8 - Exposure Control Information

Storage and Handling Bulk storage of polyethylene pellets can accumulate an explosive gas. **Static electricity – static charges may accumulate on product causing an electrical discharge hazard.**

High dust cloud (above 20 mg/l) can be explosive, especially when static electricity is present. If dust will be generated, bond all containers and equipment.

Protect containers against physical damage. Keep carton sealed at all times. Store in closed and labeled containers, in a cool, dry area, away from heat, sparks, open flame, acids, and incompatible materials. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation.

Ventilation Local exhaust may be necessary for some handling or use conditions, to keep air contaminants below their exposure levels.

Respiratory Protection If TLV is exceeded (visible dust cloud), or for symptoms of overexposure, wear a NIOSH-approved dust respirator.

Protective Clothing Rubber or vinyl gloves and long sleeved shirt and pants to minimize skin contact.

Other Protective Equipment

If contact with the dust is likely, eye protection is recommended. Chemical Monogoggles or safety glasses with side shields and a face shield will provide protection in most situations. Protective type apron, coveralls, and foot coverings, as needed).

Other Precautions

Personnel should wash thoroughly before eating, drinking, smoking, or applying cosmetics. An eyewash station is recommended.

Additional Comments

CAUTION Intentional misuse of this chemical product, as with any industrial chemical, in contact with the body can be harmful or fatal. This includes such things as deliberately breathing, placing in mouth, swallowing, placing on skin, or any other body contact, or repeated, or continuous contact.

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