



SDS: P1 FILLER

Rev. Date: MAY 2015

Section 1. IDENTIFICATION

Product Name: P1 FILLER
Product Identifier/Chemical Name: HIGH DENSITY POLYETHYLENE (POWDER)
Material Use: Polymer, Raw material

Supplier/Manufacturer: Goldenwest Manufacturing Incorporated
2036 Nevada City Hwy, Box 573, GV, CA 95945
530 272-1133 Fax 530 272-1070

Emergency Phone: Chemtrec: 800-424-9300

Section 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Not available

This material is not classified as hazardous under Article 39 Paragraph 1 of the Industrial Safety and Health Act (ISHA). It is not regulated for the MSDS creation and labeling by the provision of Article 41 Paragraph 1 of the ISHA.

GHS LABEL ELEMENT

Not available

This material is not classified as hazardous under the Article 39 Paragraph 1 of the Industrial Safety and Health Act (ISHA). It is not regulated for the MSDS creation and labeling by the provision of Article 41 Paragraph 1 of the ISHA.

Pictogram and symbol: Not applicable

Signal word: Not applicable

Hazard statement: Not applicable

Precautionary statements

- Prevention: Not applicable

- Response: Not applicable

- Storage: Not applicable

- Disposal: Not applicable

OTHER HAZARD INFORMATION NOT INCLUDED IN HAZARD CLASSIFICATION

EUH001: It is explosive when dry.

NFPA RATING SYSTEM HEALTH: -, FIRE: 1, REACTIVE: -



SDS: P1 FILLER

Rev. Date: MAY 2015

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

Chemical Name	Common Name	CAS #	%
High Density Polyethylene Additives	HDPE -	9002-88-4 -	> 99.9 -

Section 4. FIRST AID MEASURES

GENERAL ADVICE: No hazards which require special first aid measures.

Skin contact:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
Eye contact:	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
Inhalation:	Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
Ingestion:	Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYER: None known.

PROTECTION OF FIRST-AIDERS: Not available

Section 5. FIRE-FIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media

Suitable extinguishing media:	Dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO ₂ .
Unsuitable extinguishing media:	High pressure water streams.

Specific Hazards Arising from the Chemical

May be ignited by heat, sparks of flames.

Containers may explode when heated.

Some of these materials may burn, but none ignite readily. Fire will produce irritating and/or toxic gases.

If inhaled, may be harmful.



SDS: P1 FILLER

Rev. Date: MAY 2015

Special Protective Equipment and Precautions for Fire-Fighters

Dike fire-control water for later disposal; Do not scatter the material.

Move containers from fire area if you can do it without risk.

Fire involving tanks; Cool containers with flooding quantities of water until well after fire is out.

Fire involving tanks; Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

Fire involving tanks; Always stay away from tanks engulfed in fire.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Eliminate all ignition sources.

Stop leak if you can do it without risk.

Please note that materials and conditions to avoid.

Ventilate the area.

Do not touch or walk through spilled material.

Prevent dust cloud.

Environmental Precautions and Protective Procedures

Prevent entry into waterways, sewers, basements or confined areas.

Methods Of Purification and Removal

Small spill: Flush area with flooding quantities of water. And take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Large spill: Dike far ahead of liquid spill for later disposal. With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling

Be careful to dust generation or friction work.

Please note that materials and conditions to avoid.

Wash thoroughly after handling.

Please work with reference to engineering controls and personal protective equipment.

Be careful to high temperature.

The handling of powder in both loading and unloading operations as well as fabrication may cause dust to be formed, and necessary precautions for personal protection (see Section 8) should be used. As with all finely divided materials, precautions should be taken to avoid inhalation and eye contact. Transfer from storage with a minimum of dusting.



SDS: P1 FILLER

Rev. Date: MAY 2015

Polymer dust particles in the atmosphere are combustible and present a potential explosion hazard. Prevent dust accumulations and dust clouds. Dust layers can be ignited by spontaneous combustion or other ignition sources. Keep away from heat, sparks, flame and all other ignition sources.

Keep container closed. Clean up dust accumulations. For proper safety of personnel and property, the container should be emptied in compliance with NFPA 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries." Exercise caution when dispensing the contents of this product's container in or around combustible environments (for example, where flammable solvents are being used).

In such cases, the possible occurrence of sparks could ignite vapors and cause a fire or explosion. Evaluate the need for grounding of equipment and container. Electrical equipment should be grounded and conform to applicable electrical code.

Conditions for Safe Storage

Store in a closed container.

Store in cool and dry place.

Store away from excessive heat and away from strong oxidizing agents.

Keep container closed to prevent contamination.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPANTIONAL EXPOSURE LIMITS

KOREAN REGULATION:	Not available
US (NIOSH / OSHA / ACGIH):	
- NIOSH:	Not available
- OSHA:	Not available
- ACGIH:	Not available
EU REGULATION:	Not available
OTHERS:	
- CHINA:	TWA=5mg/m ³ (total dust)
- RUSSIA:	MAC=10mg/m ³ (aerosol)
- SLOVAK REPUBLIC:	TWA=5mg/m ³ (total solid aerosol)
- BULGARIA:	TWA=10mg/m ³ (dust)

APPROPRIATE ENGINEERING CONTROLS

Provide local exhaust ventilation or other engineering controls to keep concentration of airborne under threshold limit value.



SDS: P1 FILLER

Rev. Date: MAY 2015

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection

Respiratory:	Wear NIOSH or European Standard EN 149 approved full or half face piece (with goggles) respiratory protective equipment when necessary. In the case exposure to particulate material, the respiratory protective equipment as follow are recommended.; face piece filtering respiratory or air purifying respiratory, high-efficiency particulate air (HEPA) filter media or respirator equipped with powered fan, filter media of use (dust, mist, fume). In lack of oxygen (< 19.5%), wear the supplied-air respirator or self-contained breathing apparatus oxygen.
Eye protection:	Wear face piece with goggles to protect. An eye wash unit and safety shower station should be available nearby work place. Wear breathable safety goggles to protect from particulate material causing eye irritation or other disorder.
Hand protection:	Wear chemical resistant gloves. Wear appropriate protective gloves by considering physical and chemical properties of chemicals.
Body protection	Wear appropriate protective chemical resistant clothing. Wear appropriate protective clothing by considering physical and chemical properties of chemicals.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance:	Naturally white powder
Odor:	Not available
Physical state:	Solid (powder)
pH	Not applicable
Boiling Point:	Not applicable
Melting Point:	128 - 135°C
Vapor Pressure (mmHg):	Not available
Vapor Density (AIR = 1):	Not available
Evaporation Rate:	Not applicable
Flammability (Solid, Gas)	Not applicable
Upper / Lower Explosive Limits	Not applicable
Solubility in Water:	Insoluble
Specific Gravity (H2O = 1):	0.955 - 0.960
Auto Ignition Temperature:	> 300°C
Degradation Temperature:	Not available
Viscosity:	Not available
Molecular Weight:	Not available



SDS: P1 FILLER

Rev. Date: MAY 2015

Section 10. STABILITY AND REACTIVITY

Reactivity / Chemical Stability / Possibility of Hazardous Reactions

Fire may produce irritating and / or toxic gases.
If inhaled, may be harmful.

Conditions to Avoid

Heat, sparks or flames.

Incompatibles Material

Combustibles.

Hazardous Decomposition Product

Irritating and / or toxic gases.

Section 11. TOXICOLOGICAL INFORMATION

Delay by short term and long term exposures, acute and chronic effect

Acute toxicity

Oral:	Not available
Dermal:	Not available
Inhalation:	Not available

Skin corrosion / Irritation: Not available

Serious eye damage / Irritation: Not available

Respiratory sensitizer: Not available

Carcinogenicity: Not classified

KOREA-ISHL, IARC, NTP, OSHA, ACGIH, Regulation 1272 / 2008, US EPA: Not listed

Mutagenicity: Not available

Reproductive toxicity: Not available

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeat exposure): Not available

Aspiration hazard: Not available

Section 12. ECOLOGICAL INFORMATION

Aquatic Ecotoxicity

Acute toxicity: Not available

Chronic toxicity: Not available

Fish: Not available

Crustacea: Not available

Algae: Not available



SDS: P1 FILLER

Rev. Date: MAY 2015

Persistence and Degradability

Persistence: Not available
Degradability: Not available

Bioaccumulative Potential

Bioaccumulation: Not available
Biodegradation: Not available
Mobility In Soil: Low potency of mobility to soil. (Koc = 6.146) (estimate)
Other Hazardous Effect: Not available

Section 13. DISPOSAL CONSIDERATION

Disposal Method

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Disposal Precaution

Consider the require attentions in accordance with waste treatment management regulation.

Section 14. TRANSPORT INFORMATION

INTERNATIONAL REGULATION

US DOT: Not regulated as a dangerous good
Canadian TDG: Not regulated as a dangerous good
IATA: Not regulated as a dangerous good
IMDG: Not regulated as a dangerous good
- UN number: Not applicable
- UN proper shipping name: Not applicable
- Transport hazard class: Not applicable
- Packing group: Not applicable
- Marine pollutant: Not applicable
- Special precautions
In case of fire: Not applicable
In case of leakage: Not applicable

Section 15. REGULATORY INFORMATION

NATIONAL REGULATORY INFORMATION

KOREA

Korea Occupational Safety and Health Regulation: Not regulated
Toxic Chemical Control Act: Existing Chemical Substance (KE 28877)



SDS: P1 FILLER

Rev. Date: MAY 2015

Dangerous Material Safety Management Regulation: Not regulated
Waste Control Act: Not regulated

EU Classification

Classification	Not regulated
Risk Phases	Not regulated
Safety Phases	Not regulated
OSHA regulation (29CFR1910.119):	Not Regulated
CERCLA 103 regulation (40CFR302.4):	Not Regulated
EPCRA 302 regulation (40CFR355.30):	Not Regulated
EPCRA 304 regulation (40CFR355.40):	Not Regulated
EPCRA 313 regulation (40CFR372.65):	Not Regulated

The Rotterdam Convention Substances:	Not Regulated
The Stockholm Convention Substances:	Not Regulated
Montreal protocol substances:	Not Regulated

Other

U.S.A. management information:	Section 8(b) Inventory (TSCA): T[XU]
Japan management information:	Existing and New Chemical Substances (ENCS): (6)-1
China management information:	Inventory of Existing Chemical Substances (IECSC): Present [05721]
Canada management information:	Domestic Substances List (DSL): Present
Australia management information:	Inventory of Chemical Substances (AICS): Present
New Zealand management:	Inventory of Chemicals (NZIoC): Present
Philippines management information:	Inventory of Chemicals (NZIoC): Present

Section 16. OTHER INFORMATION

Disclaimer:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

Always ensure adequate ventilation of the workplace. - Local exhaust ventilation of process equipment may be needed. - Avoid breathing vapors or fumes.

Incorrect operation of processing equipment can cause thermal degradation of the polymer and a potential danger through inclusion of bubbles of air or other gases in material subsequently subjected to high temperatures.

Avoid sources of ignition such as heat or flames.