

SAFETY DATA SHEET

Finished product

AsahiKASEI

Date Prepared : 03/26/2015

SDS No : F1

1. PRODUCT AND COMPANY IDENTIFICATION

GENERAL USE: Injection Molding
PRODUCT DESCRIPTION: Glass Filled Polyethylene Copolymer
PRODUCT CODE: F6-10FG-0100-BK711
PRODUCT FORMULATION NAME: F6-10FG-0100 BK711
GENERIC NAME: Polyethylene

MANUFACTURER

Asahi Kasei Plastics North America
Asahi Kasei Chemical Co.
900 E. Van Riper
Fowlerville, MI 48836

Emergency Contact: Product Stewardship

Emergency Phone: 8004444408

Alternate Emergency Phone: 5172235323

Customer Service: 517-223-5352

E-Mail: www.akplastics.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553

CANUTEC (Canadian Transportation) : (613) 996-6666

CHEMTREC (US Transportation) : (800) 424-9300

COMMENTS: Restrictions on use: Please do not use our product for the following:

Medical containers/packaging/equipment/parts of in-vivo, or which contact mucosa, body fluid, blood, chemical solution.

Equipment, parts which contact with food containers/ packaging/equipment or drinking water.

Toys which may contact with mouth, drinking water, etc

2. HAZARDS IDENTIFICATION**GHS CLASSIFICATIONS**

Combustible Dust, : This product as shipped is not classified as a combustible dust: however, a combustible concentration of dust may occur if fines are suspended in air (e.g. from cutting or sanding).

GHS LABEL

OSHA Hazard Category: Combustible Dust

GHS Hazard Category: Not Classified

SIGNAL WORD: WARNING

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Granular solid. Pellets. Powder or Flakes

IMMEDIATE CONCERNS: None Expected.

POTENTIAL HEALTH EFFECTS

EYES: Irritation due to mechanical irritation. Heated material can cause thermal burns. If heated smoke can emit irritating fumes.

SKIN: No significant irritation expected other than possible mechanical irritation. Heated material can cause thermal burns.

SKIN ABSORPTION: None expected. May cause choking if swallowed.

INGESTION: Ingestion may cause irritation to gastrointestinal tract.

INHALATION: Dust or vapor irritating to eyes and respiratory tract.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: No known significant effects or critical hazards.

TERATOGENIC EFFECTS: No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.

CARCINOGENICITY: None of the components in this product at concentrations greater than 0.1% are listed by IARC, NTP, OSHA, or AIGIH as a carcinogen.

MUTAGENICITY: No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as a mutagen.

TARGET ORGAN STATEMENT: None Expected.

CANCER STATEMENT: No

WARNING CAUTION LABELS: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Ethene, Homopolymer	< 98	9002-88-4
1-Butene, polymer with ethene	< 90	25087-34-7
Carbon Black	0-1	1333-86-4
Fibrous glass strands	~ 5 - 20	65997-17-3

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

SKIN: For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing as the flesh can be easily torn.

INGESTION: Induce vomiting. Rinse mouth with water. Seek Medical advice if necessary.

INHALATION: If affected by fumes from heated material, remove from source of exposure and move the affected person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation or watering

SKIN: Contact causes skin irritation.

SKIN ABSORPTION: None Expected.

INGESTION: Upset stomach

INHALATION: Irritation of the throat, or coughing

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use dry chemical

EXPLOSION HAZARDS: Dusts at sufficient concentrations can form explosive mixtures with air.

FIRE FIGHTING EQUIPMENT: Should wear positive pressure self contained breathing apparatus (SCBA) and full turnout gear.

SENSITIVE TO STATIC DISCHARGE: Static discharge could be an ignition source for combustible concentration of dust.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and / or carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

LARGE SPILL: Vacuum or sweep up material and place in designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Keep out of water ways and storm sewers.

AIR SPILL: Not yet Determined

GENERAL PROCEDURES: Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: No smoking. Use with adequate ventilation. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Avoid dispersal of dust into the air.

HANDLING: Prevent from fire around handling area. Maintain good housekeeping standards to prevent accumulation of dust. To avoid dust explosion resulting from existence of powder, ensure grounding of equipment, bag filters, and hoppers.

STORAGE: Keep material in cool dry place. Protect from direct sunlight, rain and violent temperature fluctuation.

SHELF LIFE: Recommend to use within 2 years, please consult processing documentation

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. Eliminate ignition sources in areas where dust could be generated. Ensure that dust handling systems are designed in a manner to prevent the escape of dust into work area. It is recommended that all dust control equipment such as local exhaust ventilation contain explosion relief vents or an explosion suppression system.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses for general use. Wear chemical goggles for cleaning mold machines.

SKIN: Cold or room temp. material: None required. However protective clothing is a good industrial practice.

Hot material: Wear heat resistant protective gloves, clothing and face shield that are able to withstand the temperature of the molten product.

RESPIRATORY: Wear respirator when cleaning molding machine due to possible vapors.

PROTECTIVE CLOTHING: Standard industry clothing is recommended.

WORK HYGIENIC PRACTICES: Wash hands after handling, before eating, smoking, using the lavatory, and at the end of the day.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Granular solid. Pellets. Powder or Flakes

ODOR: Faint to strong

COLOR: Black

pH: NA = Not Applicable

FLASH POINT AND METHOD: Not Available

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: > to 340°C

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

MELTING POINT: > 110°C (230°F)

POUR POINT: Not Available

THERMAL DECOMPOSITION: > 300°C

SOLUBILITY IN WATER: Insoluble in water

EVAPORATION RATE: NA = Not Applicable

PARTICLE SIZE: 3 mm

SPECIFIC GRAVITY: ~ 0.8 to .97

10. STABILITY AND REACTIVITY

REACTIVITY: Stable and non-reactive under normal handling and storage conditions.

HAZARDOUS POLYMERIZATION: None expected. May cause choking if swallowed.

STABILITY: The product is stable

CONDITIONS TO AVOID: If heated to more than 300C, the product may form vapors or fumes which could cause irritation of the respiratory tract, coughing, and shortness of breath. Avoid creation of dust. Avoid strong oxidizer.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

INCOMPATIBLE MATERIALS: Strong Oxidizing materials

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Fumes or vapors generated from decomposing resin may be irritant to eyes

SKIN EFFECTS: None expected. May cause choking if swallowed.

CARCINOGENICITY

NTP: NA = Not Applicable

OSHA: NA = Not Applicable

CORROSIVITY: NA = Not Applicable

TERATOGENIC EFFECTS: No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as a teratogenic or embryotoxic.

MUTAGENICITY: No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as a mutagen.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Wildlife may ingest plastic pellets. Although not toxic, such materials may physically block the digestive system, causing starvation or death.

BIOACCUMULATION/ACCUMULATION: Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose according to local, state, and federal laws and regulations. Inadequate incineration may generate toxic gases.

EMPTY CONTAINER: Recycle when possible, or dispose of according to local laws

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Polyethylene - granular

OTHER SHIPPING INFORMATION: Not regulated - Not classified as hazardous for transport

U.S. CUSTOMS HARMONIZATION NUMBER: 3901.20

SPECIAL SHIPPING NOTES: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of a spill.

15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Ethene, Homopolymer	9002-88-4
1-Butene, polymer with ethene	25087-34-7
Carbon Black	1333-86-4
Fibrous glass strands	65997-17-3

TSCA REGULATORY: All ingredients are listed in TSCA inventory

CALIFORNIA PROPOSITION 65

Chemical Name	Wt.%	Listed
Carbon Black	0-1	Cancer

16. OTHER INFORMATION

REASON FOR ISSUE: GHS SDS format

APPROVED BY: Product Stewardship

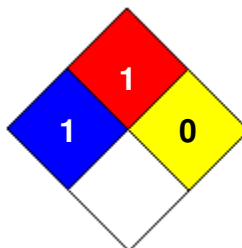
PREPARED BY: Product Steward **Date Prepared:** 03/26/2015

INFORMATION CONTACT: 517-223-5000

HMIS RATING

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	A

NFPA CODES



DATA SOURCES: SDS provided by Suppliers and common industry information

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