

**SAFETY DATA SHEET**

Finished product

**AsahiKASEI**

Date Prepared : 03/26/2015

SDS No : D2

**1. PRODUCT AND COMPANY IDENTIFICATION****GENERAL USE:** Injection Molding**PRODUCT DESCRIPTION:** Acrylonitrile-Butadiene Styrene Copolymer**PRODUCT CODE:** D-18FG-Y032-BK711**GENERIC NAME:** ABS**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.

**CARCINOGENICITY:** No data available. Contact Env. Dept.

**MUTAGENICITY:** None expected. May cause choking if swallowed.

**TARGET ORGAN STATEMENT:** None Expected.

**CANCER STATEMENT:** No

**WARNING CAUTION LABELS:** None

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Acrylonitrile-Butadiene Styrene Copolymer	~ 70 - 100	9003-56-9
Fibrous glass strands	~ 10 - 30	65997-17-3
Carbon Black	~ 0.4 - 3	1333-86-4
Additives	0-3%	confidential

### 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 water spray, foam, or 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:** CO, HCN, AN, SM, NO

### 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:** Inadequate incineration / decomposition may generate toxic gases such as CO,HCN,AN,and SM.

**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.

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## 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

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## 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Granular solid. Pellets. Powder or Flakes

**ODOR:** Faint to strong

**COLOR:** Black

**FLASH POINT AND METHOD:** > 404°C

**AUTOIGNITION TEMPERATURE:** > 466°C

**MELTING POINT:** > 100°C

**SOLUBILITY IN WATER:** Insoluble in water

**EVAPORATION RATE:** NA = Not Applicable

**SPECIFIC GRAVITY:** ~ 1.03 to 1.10

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## 10. STABILITY AND REACTIVITY

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

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**CONDITIONS TO AVOID:** Fire

**HAZARDOUS DECOMPOSITION PRODUCTS:** Harmfull vapors: CO,HCN,AN,and SM

## 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.

## 12. ECOLOGICAL INFORMATION

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

**ECOTOXICOLOGICAL INFORMATION:** Not yet Determined

**BIOACCUMULATION/ACCUMULATION:** Not yet Determined

**GENERAL COMMENTS:** Not expected to present any significant ecological problems

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**U.S. SURFACE FREIGHT CLASS:** 156200 Class 60

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

**U.S. CUSTOMS HARMONIZATION NUMBER:** 3903.30

**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	TSCA SECTION
Acrylonitrile-Butadiene Styrene Copolymer	9003-56-9	
Fibrous glass strands	65997-17-3	
Carbon Black	1333-86-4	
Additives	confidential	8a, 8d,

**TSCA REGULATORY:** All ingredients are listed in TSCA inventory

**CALIFORNIA PROPOSITION 65**

Chemical Name	Wt.%	Listed
Carbon Black	~ 0.4 - 3	Cancer

## 16. OTHER INFORMATION

**REASON FOR ISSUE:** GHS SDS format

**APPROVED BY:** Product Stewardship

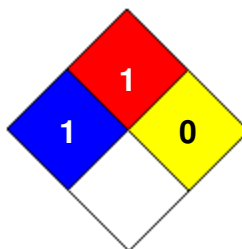
**PREPARED BY:** Product Steward    **Date Prepared:** 03/26/2015

**INFORMATION CONTACT:** 517-223-5000

**HMIS RATING**

<b>HEALTH</b>		<b>1</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>A</b>

**NFPA CODES**



**DATA SOURCES:** SDS provided by Suppliers and common industry information

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