

Grade : ABSHI1 ABS Resin

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## 1. Chemical Product & Company Identification

a. Chemical Product Name

Acrylonitrile, 1,3 Butadiene, and Styrene Co-polymer

b. Usage

Electronic Goods, Automotive Parts, Package, etc

c. Chemical Type

Thermoplastics

d. Company's Address

LG Chem, Ltd. 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721, Korea

e. Phone / Fax number

82-2-3773-6880, 3324 / 82-2-3773-3395

f. Prepared By

ABS / EP Division

### 2. Hazards Identification

a. Threshold Limit

Not established

b. Effect of overexposure

• Eye Contact

Solid or dust may cause irritation or corneal injury due to mechanical action

Skin Contact

Essentially nonirritating to skin, Mechanical injury only

Skin Absorption

Unlikely due to physical properties

Ingestion

Unlikely due to physical state.

Inhalation

Dust may cause irritation to respiratory

In case of breathing, fumes released from heated material

may cause respiratory irritation

· Chronic Effects

Not Available

Mutagenicity

Not Available

## 3. Composition / Information On Ingredients

	CAS Number	Contents
. ABS(Acrylonitrile-Butadiene-Styrene)	9003-56-9	95 ~ 100%
b. Typical Stabilizer		0 - 3%
c. Typical lubricants		0 - 3%



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4. First Aid Measures

a. Eye Contact Immediately rinse eyes with copious amount of running water

and seek medical advice

b. Skin Contact Essentially nonirritating to skin but rinse with copious water

c. Ingestion If vomiting occurs, lower the head to ease vomiting and seek for medical

Advice

d. Inhalation In case of breathing, fumes released from heated material may

cause respiratory irritation

In case of inhaling dense smoke, immediately remove a person to fresh air. If necessary, apply artificial respiration

and seek medical attention immediately

e. Mutagenicity Not Available

#### 5. Fire Fighting Measures

a. Flammable Properties

Flash Point

Method Used

Not applicable

None

Auto ignition Temperature

Not applicable

b. Extinguishing Media

Usually use water and use extinguishing media appropriate to

surrounding conditions

c. Special Fire Fighting Procedure

Cool Containers with water spray. In closed stores, provide fire fighter with self-contained breathing apparatus in positive pressure

mode

d. Usual Fire and Explosion Hazards

Irritating gases and dense smoke

## 6. Accidental Release Measures

a. Personal Precautions

Pellets or beads may present a slipping hazard

b. Environmental Precautions

Keep out of irrigation ditches, sewers, and water supplies Spills

should be collected to prevent contamination of waterways

c. Cleanup

Sweep up



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## 7. Handling and Storage

a. Handling

Avoid formation of dust

Keep bags always closed / Keep container lightly closed

Avoid pellets / bags from getting wet

b. Storage

Keep bags / containers in a well-ventilated place Avoid

pellets / bags from getting wet

### 8. Exposure Controls / Personal Protection

a. Engineering Controls Good ger

Good general ventilation should be sufficient for most conditions.

Local exhaust ventilation may be necessary for some operations

b. Personal Protective Equipment

c. Eye / Face Protection

Use safety glasses. If the is a potential for exposure to particles which Could

cause mechanical injury to the eye, wear chemical goggles

d. Skin Protection

No Precautions other than clean body-covering clothing should be needed

e. Respiratory Protection

For most conditions, no respiratory protection should be needed; however, If handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator. In dusty atmospheres, use an approved dust respirator

Although some of the additives used in this product may have exposure

c. Exposure Guideline (s)

guidelines, these additives are encapsulated in the product and no exposure would be expected under normal handling conditions

## 9. Physical And Chemical Properties

a. Appearance

Pellet

b. Odor

Almost Odorless

c. pH

Neutral

d. Boiling Point

Not applicable

e. Evaporation Rate

Not applicable at standard condition

f. Specific Gravity

1.05

g, Vapor Pressure

Not applicable at standard condition Not applicable at standard condition

h. Vapor Densityi. Solubility in Water

nsoluble

j. Solubility in other Solvent

Soluble in THF, Acetone and other Analogous Solvents



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## 10. Stability and Reactivity

a. Stability

Stable under normal condition

b. Storage conditions to avoid

Avoid fire and heating above 60°C

c. Incompatibility

None known

d. Hazardous decomposition products

Not applicable

e, Hazardous polymerization

Not occur

#### 11. Toxicological Information

See Section 3 for Potential Health Effects. For detailed toxicological data, Write or call the address or phone number shown in Section 1.

### 12. Ecological Information

a. Environmental Fate

· Movement & Partitioning

No bioconcentration is expected because of the high molecular weight

(MW>1000). In the terrestrial environment,

material is expected to remain in the soil. In the aquatic environment,

material will sink and remain in the sediment.

• Degradation & Persistence

This water insoluble polymeric solid is expected to the inert in the

environment. Surface degradation is expected with exposure to sunlight.

No appreciable biodegradation is expected.

b. Ecotoxicity

Not Expected to be acutely toxic, but pellets, if ingested by waterfowl or

aquatic life, may mechanically cause adverse effects.

#### 13. Disposal Considerations

Disposal: Do not Dump into any sewers, on the ground, or into any body of water.

All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations.

Regulations may vary in different locations. Waste characterizations and compliance with appliance laws are the responsibility solely of the waste generator.

For unused & uncontaminated product, the preferred options include sending to a licensed, permitted : recycler, reclaim, incinerator or other thermal destruction device.



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#### 14. Transport Information

Not classified as hazardous under transport regulations.

#### 15. Regulatory Information

Listed below are chemical substances subject to supplier notification requirements.

U.S. REGULATIONS:

TSCA INVENTORY STATUS: This product complies with the Chemical Substance Inventory

requirements of the US EPA TSCA.

CERCLA SECTION 103 (40CFR302.4): Not Listed SARA SECTION 313 (40CFR372.65): Not Listed

SARA HAZARO CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21)

ACUTE: Not Listed CHRONIC:

Not Listed

FIRE: Not Listed

REACTIVE: Not Listed SUDDEN

RELEASE: Not Listed STATE REGULATIONS:

California Proposition 65: Not Listed

EUROPEAN REGULATIONS: EC NUMBER: Not assigned

This product complies with the requirements of resolution of European Parliament (WE) no. 1907/2006 Dated December 18 2006 concerning REACH [European Union Official Register L396 with its changes In EU Official Register no. L136)

#### 16. Other Information

Product should be handled, stored, and used in accordance with the generally accepted industrial hygiene practices and in conformity with all the applicable legal regulations.

The information provided herein is based on the knowledge possessed at this present time from the view point of safety requirements.

It should, therefore, not be construed as guaranteeing specific properties.