

 LG Chem LG Chemical Limited LG Twin Tower / East Wing 20, Yoido-dong, Youngdungpo-gu Seoul 150-721 Korea Tel : 822-3773-7449, 3634 Fax : 822-3773-7692, 7652	MSDS		File Number	MSDS- ABS HI-121
	(MATERIAL SAFETY DATA SHEET)		Issue Date	1997. 04. 12
			Revised Date	1999. 08. 20
	Grade HI-121 ABS RESIN		Revised Item	
			Page	1/3

1. Chemical Product & Manufacturer's Information

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.	Manufacturer's Address	LG Chem, 20, Yoido-dong, Youngdungpo-gu, Seoul, 150-721, Korea
e.	Prepared By	LG Chem / ABS PS Division

2. Ingredients

	<u>CAS Number</u>	<u>Contents</u>
a.	ABS (Acrylonitrile-Butadiene-Styrene)	97 - 100%
b.	Typical Antioxidants	0 - 1%
c.	Typical Lubricants	0 - 2%
d.		
e.		
f.		

3. Physical & Chemical Character

a.	Appearance	Pellet
b.	Odor	Almost Odorless
c.	pH	Neutral
d.	Specific Gravity	1.05
e.	Evaporation Rate	Not applicable at standard condition
f.	Vapor Pressure	Not applicable at standard condition
g.	Vapor Density	Not applicable at standard condition
h.	Solubility in Water	insoluble
l	Solubility in other Solvent	Soluble in THF, Acetone and other Analogous Solvents

4. Health Hazard Data

a.	Threshold Limit	
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



MSDS
Grade : HI-121

File Number	MSDS- ABS HI-121
Revised Date	1999. 08. 20
Page	2/3

5. 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 |

6. Fire & Explosion Hazard Data

- | | |
|-------------------------------------|--|
| a. Flash Point | Not Applicable |
| b. Flammability | 1/16" HB (UL-94. File No. E-6717M) |
| c. Auto Ignition Point | Not Applicable |
| d. Extinguishing Media | Usually use water and use extinguishing media appropriate to surrounding conditions |
| e. Special Fire Fighting Procedure | Cool Containers with water spray. In closed stores, provide fire fighter with self-contained breathing apparatus in positive pressure mode |
| f. Usual Fire and Explosion Hazards | Irritating gases and dense smoke |

7. Reactivity Data

- | | |
|-------------------------------------|-----------------------------------|
| 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 |

8. Spill or Leak Procedures

- | | |
|--------------------------|--|
| a. Cleaning Method | Sweep, use vacuum cleaner, or shovel into intact packaging for waste disposal or possible re-use |
| b. Waste Disposal Method | Reuse or transfer to an approved disposal area.
Observe all federal, state, or local regulations upon disposition |



MSDS
Grade : HI-121

File Number MSDS- ABS HI-121

Revised Date 1999. 08. 20

Page 3/3

9. Special Protection Information

- | | | |
|----|------------|---|
| a. | Eye | Safety goggles |
| b. | Hands | Protective gloves |
| b. | Respirator | Chemical protect respirator (fumes released from heated material) |
| c. | Others | If necessary, use protective equipment handling this product |

10. Handling & 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 |

11. 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.