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**MATERIAL SAFETY  
DATA SHEET  
(MSDS)**

File Name:	MSDS RS681
Issue Date:	2023-10-15
Revision Date:	
Revision List:	
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**ABS RS681**

### 1. Product & Company Identification

Chemical Product Name	Acrylonitrile butadiene Styrene copolymers
General Use	Manufacture of plastics products
Restriction on Use	Use for only recommended uses
Chemical Type	Thermoplastic plastics
Manufacturer	LG Chem Huizhou Petrochemical Co.,Ltd
Manufacturer's Address	NO.57 Daya Bay District,Huizhou,Guangdong Province,P.R. China
Postalcode	516082
Emergency Call	0752-5939119
Fax	0752-5939111

### 2. Components/Composition Information

Chemical Name	Trade name and Synonyms	CAS No.	Content (%)
2-Propenenitrile polymer with 1,3-butadiene and ethenylbenzene	ABS	9003-56-9	95 ~ 100
Typical antioxidants and lubricants	-	-	0 ~ 2
Screct	Screct	-	0 ~ 3

Components not listed do not contain Hazardous substances accoding Occupational Safety and Health Act

### 3. Harzards Identification, Including Emergency Overview

Hazards Category	N/P
Route of Entry Indicators	Inhalation, Ingestion, Skin Absorption, Eye Contact
Health Hazard Acute&Chornic	N/P
Environment Indicators	N/P
Explosive Indicators	N/P
Carcinogenicity Indicators	N/P

### 4. First Aid Measures

Eye Contact	Immediately rinse eyes with copious amount of running water and seek medical.
Skin Contact	Essentially nonirritating to skin but rinse with copious water
Ingestion	If vomiting occur, lower the head to easy vomiting and seek midical advice
Inhalation	In case of breathing,fumes relwased 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.

#### 5. Fire Fighting Measures

Flash Point	Not applicable
Flammability	1.5mm, 3.0mm HB(UL94)
Auto Ignition Point	Not applicable
Extinguishing Media	Usually use water and use extinguishing media appropriate to surrounding conditions
Special Fire Fighting Procedure	Cool containers with water spray. In closed stores, provide fire fighter with self-contained breathing apparatus in positive pressure mode
Usual Fire and Explosion Hazards	Irritating gases and dense smoke

#### 6. Accidental Release Measures

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

#### 7. Handling and Storage

Handling	Avoid formation of dust Always keep bags closed/Keep container lightly closed Avoid particle/bags from getting wet
Storage	Storage should not be exposed to rain and sunlight and away from heat and fire sources.  Packing bags / containers should be placed in well ventilated place.

#### 8. Exposure Controls & Personal Protection

Eye	Safety goggles
Hands	Protective gloves
Respirator	Chemical Protect respirator(fumes released from heat material)
Others	If necessary, use protective equipment handling this product

#### 9. Physical & Chemical Properties

Appearance	Solid(Pellets)
Smell	Almost odorless
PH	Not applicable
Specific Gravity	1.05g/cm <sup>3</sup> (ASTM)

Evaporation rate Not available at standard condition

The vapor pressure Not available at standard condition

Vapor density Not available at standard condition

Water soluble Insoluble

Solubility in other solvents Soluble in THF,Acetone and other Analogous Solvents

#### 10. Stability & Reactivity Data

Stability Stable under normal condition

Storage conditions to avoid Avoid fire and heating above 60°C

Taboo material None known

Hazardous decomposition CO, HCN, AN ,etc.

Hazardous Polymerization Not occur

#### 11. Toxicological Information

Irritating Property

In case of burning,Irritating gases and dense smoke released from material may cause eyes and nose irritation

#### 12. Ecological Information

Ecological Toxicity N/P

Biologic Decompose N/P

Abiological Decompose Can be decomposed under sunlight and oxygen condition

#### 13. Disposal Considerations

Disposal Character Not belong to the dangerous material

Disposal Method Burned by a suitable incinerator

#### 14. Transport Information

International Shipping Regulations Avoid leakage or be sloppy. Packing should not be damaged.

Transport mode The product is suitable for transportation by land, sea and air.

#### 15. Regulatory Information

Applicable laws The relevant laws and regulations of the respective locality.

#### 16. Other information

##### A. Reference

- Product should be handled, stored, and used in accordance with the generally accepted industrial hygienepactices and in conformity with all the applicable legal regulations.The information provided herein is based on theknowledge possessed at this present time from the view point of safety requirements.

It should,therefore,not beconstrued as guaranteeing specific properties.

##### B. Issue date

- 2023-10-15