

MATERIAL SAFETY DATA SHEET (MSDS)

ABS AF312A

File Name:	MSDS AF312A
Issue Date:	2014-04-10
Revision Date:	2023-05-01
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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	70 ~ 80
4,4'-(1-Methylethylidene)bis[2,6-dibromophenol]	Tetrabromobisphenol A, TBBA, 2,2-Bis(4-hydroxy-3,5-dibromophenyl)propane	79-94-7	10 ~ 20
Diantimony trioxide	Antimony trioxide	1309-64-4	2 ~ 5
Secret	Secret	-	1 ~ 5
Typical antioxidants and lubricants	-	-	0 ~ 3

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;

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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, 2.0mm, 2.5mm, 3.0mm V-0 (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

1.15g/cm³ (ASTM)

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Evaporation rate

Not available at standard condition

The vapor pressure

Not available at standard condition

Vapor density

Not available at standard condition

Water soluble

Not available

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 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.

B. Revision Date:

- 2023-05-01