

 <b>LG MMA Corporation</b> 762-4, Jungheung-dong, Yeosu-si, Jeollanam-do, 555-805 Korea Tel : (061) 805 - 3936~8 Fax : (061) 805 - 3949	<h2 style="text-align: center;">Material Safety Data Sheet</h2>	Reg. No.	MSDS-PMMA1-000
		Crea. date	2016. 05. 09
		(    )th	-
		Rev. date	
	Product Name : SA256      CAS No : 103728-53-6	Rev. Item	-

  

### 1. IDENTIFICATION

A. Product name : SA256

B. Recommended use and restriction on use

☐ General use : Not available

☐ Restriction on use : Not available

C. Manufacturer/Supplier/Distributor information

☐ Company name : LG MMA Corporation

☐ Address : 495, Sandanjungang-ro, Yeosu-si, Jeollanam-do, Korea

☐ Emergency telephone number : +82-61-805-3832

☐ Dept : Production 2 team

  

### 2. HAZARD IDENTIFICATION

A. GHS Classification : Not applicable

B. GHS label elements

<input type="radio"/> Hazard symbols	<input type="radio"/> Signal words	<input type="radio"/> Hazard statements
Not applicable	Not applicable	Not applicable

☐ Precautionary statements : Not applicable

C. Other hazards which do not result in classification : (NFPA Classification)

☐ NFPA : Health: 0, Flammability: 0, Reactivity: 0

  

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Trade names and Synonyms	CAS No	Contents(%)
Trade Secret		Trade Secret	Trade Secret

  

### 4. FIRST AID MEASURES

A. Eye contact :

- Do not rub your eyes.

- Immediately flush eyes with plenty of water for at least 20 minutes and call a doctor/physician.

B. Skin contact :

- Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

- Laundering enough contaminated clothing before reuse.

C. Inhalation contact :

- When exposed to large amounts of steam and mist, move to fresh air.
- Take specific treatment if needed.

D. Ingestion contact :

- About whether I should induce vomiting Take the advice of a doctor.
- Rinse your mouth with water immediately.

E. Delayed and immediate effects and also chronic effects from short and long term exposure :

- Not available

F. Notes to physician :

- Notify medical personnel of contaminated situations and have them take appropriate protective measures.

## 5. FIREFIGHTING MEASURES

A. Suitable(Unsuitable) extinguishing media :

- Alcoholic foam, carbon dioxide, water spray
- Dry sand or earth for extinguishing

B. Specific hazards arising from the chemical

- Containers may explode when heated.
- Flammable liquid and vapor : Easily ignited by the heat, sparks, flame.
- Steam explosion hazard – Indoor, outdoor and sewer
- Can form an explosive mixture at or above the flash point.
- Vapors may form explosive mixtures with air.
- Vapors may be ignited transferred to an ignition source.
- May emit irritating and very toxic gas during burning or thermal decomposition.

C. Special protective actions for firefighters :

- Cool containers with water until well after fire is out.
- Keep unauthorized personnel out.
- Wear appropriate protective equipment.
- Keep containers cool with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

A. Personal precautions, protective equipment and emergency procedures :

- Must work against the wind, let the upwind people to evacuate.
- Do not touch spilled material. Stop leak if you can do it without risk.
- Move container to safe area from the leak area.
- Handling the damaged containers or spilled material after wearing protective equipment.

B. Environmental precautions :

- Prevent runoff and contact with waterways, drains or sewers.
- If large amounts have been spilled, inform the relevant authorities.

C. Methods and materials for containment and cleaning up :

- Large spill : Stay upwind and keep out of low areas. Dike for later disposal.
- Notification to central government, local government. When emissions at least of the standard amount.
- Dispose of waste in accordance with local regulation.
- Appropriate container for disposal of spilled material collected.

## 7. HANDLING AND STORAGE

A. Precautions for safe handling :

- Avoid direct physical contact.
- Get the manual before use.
- Refer to Engineering controls and personal protective equipment.
- Do not handle until all safety precautions have been read and understood.

B. Conditions for safe storage, including any incompatibilities :

- Check regularly for leaks.
- Do not apply any physical shock to container.
- Please pay attention to incompatibilities materials and conditions to avoid.
- No open fire.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

A. Exposure limits

- ☐ ACGIH TLV : Not available
- ☐ OSHA TLV : Not available

B. Engineering controls

– A system of local and/or general exhaust is recommended to keep employee exposures above the Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. The use of local exhaust ventilation is recommended to control emissions near the source.

C. Personal protective equipment

☐ Respiratory protection

- Under conditions of frequent use or heavy exposure, Respiratory protection may be needed.
- Respiratory protection is ranked in order from minimum to maximum.
- Consider warning properties before use.

☐ Eye protection

– Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.

- Provide an emergency eye wash station and quick drench shower in the immediate work area.

☐ Hand protection

- Wear appropriate glove.
- Skin protection
- Wear appropriate clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- |   |   |
|---|---|
| A. Appearance : Solid (Powder)                              | B. Odor : Not available   |
| C. Odor threshold : Not available                           | D. pH : Not applicable  |
| E. Melting point/Freezing point : Not available             | F. Initial Boiling Point/Boiling Ranges : Not available         |
| G. Flash point : Not available                              | H. Evaporation rate : Not available                             |
| I. Flammability(solid, gas) : Not applicable                | J. Upper/Lower Flammability or explosive limits : Not available |
| K. Vapour pressure : Not available                          | L. Solubility : Not available                                   |
| M. Vapour density : Not available                           | N. Specific gravity : Not available                             |
| O. Partition coefficient of n-octanol/water : Not available | P. Autoignition temperature : Not available                     |
| Q. Decomposition temperature : Not available                | R. Viscosity : Not available                                    |

## 10. STABILITY AND REACTIVITY

- A. Chemical stability
- This material is stable under recommended storage and handling conditions.
- B. Possibility of hazardous reactions
- Hazardous Polymerization will not occur.
- C. Conditions to avoid
- Avoid contact with incompatible materials and condition.
- D. Incompatible materials
- Not available
- E. Hazardous decomposition products
- Not available

## 11. TOXICOLOGICAL INFORMATION

- A. Information on the likely routes of exposure :
- |  |                          |
|--|--------------------------|
| ○ (Respiratory tracts) : Not available | ○ (Oral) : Not available |
| ○ (Skin) : Not available               | ○ (Eye) : Not available  |
- B. Delayed and immediate effects and also chronic effects from short and long term exposure :
- Acute toxicity :
    - Oral – Not available
    - Dermal – Not available
    - Inhalation – Not available

- ☐ Skin corrosion/irritation : Not available
- ☐ Serious eye damage/irritation : Not available
- ☐ Respiratory sensitization : Not available
- ☐ Skin sensitization : Not available
- ☐ Carcinogenicity : Not available
- ☐ Germ cell mutagenicity : Not available
- ☐ Reproductive toxicity : Not available
- ☐ STOT-repeated exposure : Not available
- ☐ STOT-repeated exposure : Not available
- ☐ Aspiration hazard : Not available

## 12. ECOLOGICAL INFORMATION

### A. Ecotoxicity :

- Fish : Not available
- Crustaceans : Not available
- Algae : Not available

### B. Persistence and degradability : Not available

- Persistence : Not available
- Degradability : Not available

### C. Bioaccumulative potential :

- Bioaccumulative potential : Not available
- Biodegradation : Not available

### D. Mobility in soil : Not available

### E. Other adverse effects : Not available

## 13. DISPOSAL CONSIDERATIONS

### A. Disposal methods :

- Since more than two kinds of designaed waste is mixed, it is difficult to treat seperatly, then can be reduction or stabilization by incineration or similar process.
- If water separation is possible, pre-process with Water separation process.
- Dispose by incineration.

### B. Special precautions for disposal :

- The user of this product must disposal by oneself or entrust to waste disposer or person who other's waste recycle and dispose, person who establish and operate waste disposal facilities.
- Dispose of waste in accordance with all applicable laws and regulations.

## 14. TRANSPORT INFORMATION

### A. UN No. (IMDG) : Not applicable

### B. Proper shipping name : Not applicable

### C. Hazard Class : Not applicable

### D. IMDG Packing group : Not applicable

E. Marine pollutant ☐ applicable ☒ Not applicable

F. Special precautions for user related to transport or transportation measures

- Local transport follows in accordance with Dangerous goods Safety Management Law.
- Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.
- EmS FIRE SCHEDULE : Not applicable
- EmS SPILLAGE SCHEDULE : Not applicable

## 15. REGULATORY INFORMATION

A. National and/or international regulatory information :

☐ POPs Management Law : Not applicable

☐ Information of EU Classification :

- \* Classification : Not applicable
- \* Risk Phrases : Not applicable
- \* Safety Phrase : Not applicable

☐ U.S. Federal regulations :

- \* OSHA PROCESS SAFETY (29CFR1910.119) : Not applicable
- \* CERCLA Section 103 (40CFR302.4) : Not applicable
- \* EPCRA Section 302 (40CFR355.30) : Not applicable
- \* EPCRA Section 304 (40CFR355.40) : Not applicable
- \* EPCRA Section 313 (40CFR372.65) : Not applicable

☐ Rotterdam Convention listed ingredients : Not applicable

☐ Stockholm Convention listed ingredients : Not applicable

☐ Montreal Protocol listed ingredients : Not applicable

## 16. OTHER INFORMATION

A. Reference :

– The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein.

– This Safety Data Sheet was compiled with data and information from the following sources: KOSHA, NITE, ESIS, NLM, SIDS, IPCS

B. Issue date

– 2016. 05. 09

C. Revision number and Last date revised

– Not applicable

D. Other

– This MSDS is prepared according to the Globally Harmonized System (GHS).

<Other Data>

Preparing person	Deliberator	Approver
Production 2 team IM DAE GUEN	Safety&Environment KIM JIN HO	Production 2 team CHOI YOUNG EUN

LGMMA Corporation

A4(210mm X 297mm)