

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product name : AIR BUBBLE with ALUMINIUM METALLIZING
Raw material name : Low Density Polyethylene with Aluminium Metallizing

2. COMPANY IDENTIFICATION

Manufacturer's Name : PT.MK
Address : Jl. XXXXXXXXXXXXX
Jakarta
Contact Number : (021) 461 xxxx

3. HAZARD IDENTIFICATION

Corrosive Material : NONE
Explosive Material : NONE
Flammable Material : It burns easily under fire.
Reactive Material : NONE
Toxic Material : NONE

4. FIRST –AID MEASURES

Inhalation : If exposed to the thermal decomposition gas, remove the person from exposure to fresh air environment. If difficulty breathing occurs, seek medical attention immediately.

Skin : Polyethylene is inert and harmless. If irritation develops, seek medical attention immediately. If in contact with hot molten polyethylene, do not peel off the hot molten polyethylene from skin, but flush with plenty of water to cool down the thermal burned skin quickly and the seek medical attention immediately.

Eye : If irritation develops, seek medical attention immediately

5. ACCIDENTAL RELEASE MEASURES

- Step to be taken : In case of molten material, do not peel of the hot molten polyethylene from skin, but flush with plenty of water to cool down the thermal burned skin quickly and the seek medical attention immediately.
- Personal protective gear : When handling molten material, use thermal resistant gloves.

6. FIRE FIGHTING MEASURES

- Suitable fire fighting agent : Water spray, foam, carbon dioxide, dry chemicals, and ect.
- Precautions to be observed : Dense smoke and hazardous gases will be emitted when it is burned with out sufficient oxygen. Material when melted will spread on the floor which will catch fire easily.
- Protective clothing and Breathing apparatus : Wear appropriate safety equipment during fire

7. HANDLING AND STORAGE

- Handling : No risk to the health of operators when handling at room temperature. During processing, do not inhalant the fumes and vapors.
- Storage condition : Store away from heat or flames. Avoid contact with hot aromatic, chlorinated solvents and other hot strong oxidants.

8. PERSONNEL PROTECTION EQUIPMENT

- Eye protection : None
- Skin protection : Normal clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Odour	: Odourless
Color	: Clear / Per request
Boiling points	: No known applicable information
Melting points / range	: 100 C – 128 C
Vapour pressure	: No known applicable information
Specific gravity	: 0.91 – 0.93
Solubility in water	: Not soluble
Solubility in other liquid	: Soluble in hot aromatic, chlorinated solvent
Viscosity	: No known applicable information
PH	: No known applicable information
Flash point	: No known applicable information
Flammability limits	: No known applicable information
Auto-ignition temperature	: No known applicable information

10. STABILITY AND REACTIVITY

Stability	: Stable
Thermal decomposition Temperature	: No known applicable information
Incompatible material	: Hot aromatic, chlorinated solvent, and hot strong oxidants
Conditions to avoid	: Keep away from fire
Hazardous decomposition	: Carbon monoxide and carbon dioxide may be generated
Hazardous polymerization	: No known applicable information.

11. OVER EXPOSURE AND TOXICOLOGICAL INFORMATION

- Route of entry and effect : Inhalation vapors produced are unlikely at room temperature.
- Acute effects : No known applicable information
- Chronic effects : No known applicable information
- Permissible exposure level : No known applicable information

12. ECOLOGICAL INFORMATION

- Biodegradability : No known applicable information
- Aquatic toxicity : No known applicable information
- Mobility : No known applicable information
- Bioaccumulative potential : No known applicable information

13. DISPOSAL CONSIDERATION

- Disposal method : Recover for reuse if possible. If may be buried on an authorized landfill site or be incinerated; however, these disposal methods shall comply with the local authorities laws.

14. TRANSPORTATION INFORMATION

- Special transport requirement : No known applicable information

15. REMARKS

The information contained in the MSDS is presented in good faith, based on information available and is subject to change without notice.

When special handling shall be necessary, please take measure for safety suitable for the application and usage.

Offering of information is the main purpose of the article written on this MSDS does not guarantee.