

Material Safety Data Sheet (MSDS)

1. Product and Company Information
Product : PU Foam D 18 Hard Black.
Company : PT. Royal Abadi Sejahtera.
Address : Jl. Raya Cimareme No. 275 Padalarang, Bandung 40553 Indonesia
Telp. No : (022) 6866360 Fax : (022) 6866168.
Dept : Manufacturing Foam.
PIC : Ryan Aldi Herlambang

2. Ingredient / Composition Information
Chemical Material / Mixture Discrimination : Sole product.
Chemistry Name : Flexible Polyurethane Foam.
Generally Name : Flexible Polyurethane Foam.
Ingredient Content : Polyurethane above 99%.
CAS NO : Not Applicable.

3. Risk Outline
Harmful : Not Applicable.
Environment Harm : Not Applicable.
Physics and Chemistry Hazardous : Has the fire risk.
Hazardous Classification : Inflammable substance.
(Japanese Classification Standard)

4. Emergency Measures
Inhalation : Respiratory protection.
Skin Contact : Not Applicable.
Ingestion : Respiratory Protection Medical Treatment.
Eye Contact : Water, medical treatment.
First Aid Executor Protection : Not Applicable.
Doctor Attention Item : Not Applicable.

5. Fire Measure
Extinguishing Agent : Water, dry powder, foam and soon.
Forbidden for Using Extinguishing Agent : Not Applicable.
The Unusual Dangers of Fire : When combustion heating will create the harmful gas : High calories of burn.
Specific Fire – Fighting Methods : Cooling water and carbon dioxide fire extinguishing agent.
Fireman Protection : Heat-resistant protective suit, mask anti virus and other suitable protection equipment.

6. Leak Handle Process
To Human Attention Item : Not Applicable.
To Environment Attention Item : Prevent scatter.
Handle Process Method : Eliminate prevent secondary problem occur countermeasure.

7. Handling and storage attention
Handling :
Safety uses attention item : fire are strictly prohibited.

Storage :

Appropriate storage condition: prevention smoke and fire, heat source, water leakage, sunlight illumination, oxidizer, reducing agent, organic, ultraviolet rays, automobile exhaust gas, use FIFO (First In First Out) method.

Attention deformation and damage.

8. Touch Control and Individual Protective

Equipment countermeasure

Allowance concentration

Management concentration

Protection

Respiratory system protective tool : Not Applicable.

Hand protection : Not Applicable.

Eye protection : Not Applicable.

Skin and body protection : Not Applicable.

Appropriate hygienic countermeasure : Not Applicable.

9. Physical and Chemical Characteristic

Physical Condition : Solid.

Color : Black.

Shape : Small bubble structure.

Peculiar Smell : Depending on the situation.

PH : No data.

Melting Point : No data.

Coagulation Point : No data.

Boiling Point : No data.

Physical Condition Change of Specific Temperature/Temperature Range Melting Point:

Decomposition Temperature :

Flash Point : 310 degrees C.

Ignition Point : 416 degrees C.

Combust : Combustible.

Explosive Limit : No data.

Steam Pressure : No data.

Density : 17-19 Kg/m³

Solubility

Regarding Solvent Solubility : Strong acid, strong alkali have solubility

Decomposition Temperature : No data.

Other Data : The UV can occur deteriorate.

10. Stability and Active Reaction

Stability : Commonly use stable.

Active Reaction : Commonly use no reaction.

Avoids Contact Condition : UV illumination.

Avoids Contact Material : Acid agent, reducing agent, organic solvent.

Dangerous Harmful Decomposition Resultant : When combustion, or heating create noxious gas.

11. Harmful Information

Acute Toxicity : Not Applicable.

Skin Corrosive / Stimulation

Chronic Toxicity and Chronic Poison

Carcinogenicity : Not Applicable.

Mutagenicity : Not Applicable.
Consistent
Reproduction Toxicity : Not Applicable.
Others :

12. Environmental Impact Information

Spreading : Not Applicable.
Residual /Decomposition : Not Applicable.
Biological Accumulation : Not Applicable.
Biological Toxicity : Not Applicable.
Migratory in Soil
Others : Not Applicable.

13. Waste Disposal Attention

Handle According to Local Law and Regulation.

14. Transport Information Attention

According to user manual and custody attention list item during delivery, in order avoid for damage goods, and deformation goods, the loading should be correct and prevent collapse.

Internal Rule / Provision

United Nations Classification : Unable specified.

Domestic Provision : No category.

Transportation Specific Security Countermeasure and Condition : Inflammable.

15. Regulation information : Not Applicable.

16. Other information