

MATERIAL SAFETY DATA SHEET (MSDS) CIMU & PMU

For : PT Rentokil Indonesia CIMU&PMU

Product Use : Rat Catcher

MSDS date of preparation : April 6th, 2018

1. Chemical Product and Company Identification

Manufactured : PT. MEGASARI MAKMUR

Address : Jl. H Ung Bl E%2F65 Utan Panjang

Kemayoran Jakarta Pusat DKI Jakarta, Indonesia

Telephone : +62 21 4212510/20

Fax Number: +62-21-422 2962

URL / Website: <http://www.megasari.co.id>

2. Hazards Identification (Ingestion, Inhalation, Skin or Eyes)

Emergency Overview :

- Non Toxic & Odorless
- Non Dangerous for Human Health
- It's Sticky Character stands for a long period

None does not know that there should be any risks by using this product, but avoid contact with skin when it is hot.

3. First Aid Measure

Inhalation: Fresh air & rest

Skin/eye: Splash from molten hot melt, then flush with large amounts of cold water, and treat as burn. Seek medical attention if necessary.

4. Composition/Information on Ingredients

<u>INGREDIENT</u>	<u>CAS Number</u>	<u>WEIGHT in %</u>
Thermoplastic Rubber	25038-32-8	30
Antioxidant	6683-19-8	1
Polybutene KOH	9903-28-5	69

5. Fire Fighting Measures

Extinguishing Media : Water Spray, Dry Chemicals, Foam or CO1

Fire/Explosion Hazard : Hazardous decomposition product on burning oxides of carbon, light flammable, smoke, and other organic vapors. Fire Fighting personnel to wear self-contained breathing apparatus and protective clothing. This product is not flammable, but it will burn.

6. Accidental Release Measures

If molten material is spill, allow to cool then scraped up for disposal, wash the area with water and detergent.

7. Handling and Storage

Handling: Avoid contact with eyes. Keep away from heat, sparks, hot surfaces and open flames. When it contact with skin, clean up the adhesive with solvent (solar, kerosene or other solvent) then wash with the bath soap.

Storage : Store in a cool and dry condition place. Avoid storage in a place near with heat sources (open heat, direct sun light, and strong oxidizing agent).

8. Exposure Controls/Personal Protection

Personal Protection

- Eye Protection : Avoid eye contact.

- Skin Protection : Avoid skin contact, if it is necessary contact with the product use the glove to avoid skin contact.

- Respiratory Protection : None needed for normal use - No experience shows that this product will cause any acute health hazard.

9. Physical and Chemical Properties

<u>PARAMETERS</u>	<u>VALUE</u>
Appearance	Yellowish, Viscosity Semi Solid
Odor	Odorless
Solid Content	100.00%
Viscosity :	
- 100 °C	2750 cps
- 110 °C	1625 cps
- 120 °C	1000 cps
- 130 °C	675 cps
- 140 °C	450 cps
- 150 °C	325 cps
- 160 °C	250 cps

Adhesion 1.2 Kg/in Up
Flow Point Min 70 °C

10. Stability and Reactivity Stability Product :

Stable Condition to Avoid : Avoid over heat, direct or open heat and mix with the strong oxidizing agent.

Reactivity Data : Incompatible with strong oxidizing agents and will melt when heated.

Hazardous Decomposition Product : Carbon Monoxide and Carbon Dioxide.

11. Toxicological Information

This product is not classified as toxic material. None of the components of this product listed as a carcinogen or suspected carcinogen.

12. Ecological Information

No specific data are available

13. Disposal Consideration

Sweep up spilled material, and remove for destruction or recycling.

14. Transport Information

Keep away from heat and direct sunlight.

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR

16. Other Information

Use protection equipment such as cotton gloves or goggles when preparing the hot melt Aggregates.

The information and recommendation that we are giving here are based on our research and believable it is accurate. Since the customer's specific applications are beyond our control, this company can't be assumed of any responsibilities and any risks, liabilities or patent. The customer is cautioned and evaluated thoroughly of this product for the utilization.