



## Chemical Product Material Safety Data Sheet

| 1. Chemical product and company identification                        |
|---|
| <b>Product name or number:</b> RAP333,356,366,367 <b>Additive</b>     |
| <b>Manufacturer:</b> Rapicoat refinishTechnology co.ltd,.             |
| <b>Mfg address :</b> Yingde industrial area, qingyuan guangdong china |
| <b>Emergency telephone:</b> +86 13378487953                           |

| 2. Hazardous Ingredients  |             |             |                  |                    |  |        |      |           |                  |                    |        |      |          |                  |                    |        |      |          |                  |                    |        |       |          |                  |                    |          |      |         |                  |                   |
|---|-------------|-------------|------------------|--------------------|--|--------|------|-----------|------------------|--------------------|--------|------|----------|------------------|--------------------|--------|------|----------|------------------|--------------------|--------|-------|----------|------------------|--------------------|----------|------|---------|------------------|-------------------|
| <b>Substance/mixture:</b> Mixture   |             |             |                  |                    |  |        |      |           |                  |                    |        |      |          |                  |                    |        |      |          |                  |                    |        |       |          |                  |                    |          |      |         |                  |                   |
| <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">% by weight</th> <th style="text-align: left;">CAS#</th> <th colspan="2" style="text-align: left;">Exposure limits</th> </tr> </thead> <tbody> <tr> <td>1) XYL</td> <td>5-20</td> <td>1330-20-7</td> <td>ACGIH TWA:100PPM</td> <td>ACGIH STEL :125PPM</td> </tr> <tr> <td>2) PMA</td> <td>5-15</td> <td>108-65-6</td> <td>ACGIH TWA:150PPM</td> <td>ACGIH STEL :200PPM</td> </tr> <tr> <td>3) EAC</td> <td>5-10</td> <td>141-78-6</td> <td>ACGIH TWA:400PPM</td> <td>ACGIH STEL :400PPM</td> </tr> <tr> <td>4) BAC</td> <td>20-40</td> <td>123-86-4</td> <td>ACGIH TWA:400PPM</td> <td>ACGIH STEL :400PPM</td> </tr> <tr> <td>5) n- BA</td> <td>5-10</td> <td>71-36-3</td> <td>ACGIH TWA:100PPM</td> <td>ACGIH STEL :50PPM</td> </tr> </tbody> </table> | Name        | % by weight | CAS#             | Exposure limits    |  | 1) XYL | 5-20 | 1330-20-7 | ACGIH TWA:100PPM | ACGIH STEL :125PPM | 2) PMA | 5-15 | 108-65-6 | ACGIH TWA:150PPM | ACGIH STEL :200PPM | 3) EAC | 5-10 | 141-78-6 | ACGIH TWA:400PPM | ACGIH STEL :400PPM | 4) BAC | 20-40 | 123-86-4 | ACGIH TWA:400PPM | ACGIH STEL :400PPM | 5) n- BA | 5-10 | 71-36-3 | ACGIH TWA:100PPM | ACGIH STEL :50PPM |
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| 3. Hazards identification   |
|---|
| <b>3.1 Physical and chemical properties:</b> <b>3.2 (Flammable liquid)</b>  |
| <b>3.2 Potential health effect:</b> Repeated exposure may cause skin dryness or cracking. Vapor may cause drowsiness and dizziness. |

| 4. First aid measures   |
|---|
| <b>4.1 General:</b> In case of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.   |
| <b>4.2 Inhalation:</b> Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular, administer artificial respiration. If symptoms persist or unconscious, place in recovery position and seek medical attention immediately. |
| <b>4.3 Skin contact:</b> Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or  |



recognized skin cleaner. Do NOT use thinners or solvents.

**4.4 Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes and remove any contact lenses, holding the eyelids apart. Get medical attention and advice.

**4.5 Ingestion:** Get medical attention immediately. Keep person warm and at rest. Do NOT induce vomiting.

## 5. Fire fighting measures

**5.1 Extinguishing media:** CO<sub>2</sub>, Powder, universal resistant foam. Do NOT use water jet.

**5.2 Recommendation:** . Fire will produce dense black smoke. Exposed to decomposition products may cause health hazards. Fire fighter should wear self-contained breathing apparatus.

. Water mist may be used to cool closed containers to prevent pressure build-up and possible auto-ignition and explosion when exposed to extreme heat.

. Do not allow run-off from fire fighting to enter drains or water courses.

## 6. Accidental release measures

- Immediately contact emergency personnel. Exclude sources of ignition and ventilated the area. Keep unnecessary personnel away. Use suitable protective equipment.

- Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with local regulation.

- Do not allow to enter drains or water courses.

## 7. Handling and Storage

**7.1 Handling:** Do not ingest. Avoid Contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Keep away form heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Non-sparkling tools should be used. Wash thoroughly after handling.

**7.2 Storage:** Store in an cool, dry, clean and well-ventilated area. Away from sources of heat, ignition, and direct sunshine. Keep container tightly closed and sealed until ready for use.

## 8. Exposure controls, personal protection



**8.1 Engineering controls:** Provide exhaust ventilation or other engineering controls with protective earthing and ignition-free to keep the airborne concentrations of vapors below their respective occupational exposure limits. Suitable respiratory protection must be worn.

**8.2 Personal protection:**

**8.2.1 Respiratory:** Wear appropriate respirator when ventilation is inadequate.

**8.2.2 Hands:** Impervious gloves.

**8.2.3 Eyes:** Safety glasses

**8.3.4 Skin and body:** Wear protective clothing made of antistatic and fire resistant fibres.

## 9. Physical and chemical properties

**9.1 Physical state and appearance:** liquid

**9.2 Odour:** characteristic

**9.3 Flash points:** 24 °C (coc)

**9.4 Initial boiling point:** 77 °C

**9.5 Viscosity:** 55-75 seconds /30°C

**9.6 Gravity:** 0.9207—0.98 g/cm<sup>3</sup>

**9.7 Lower explosion limit %(V/V):** 2.18

**Upper explosion limit %(V/V):** 11.4

**9.8 Vapor density :** > air

**9.9 Miscibility in water :** not miscible

## 10. Stability and reactivity

**10.1 Stability and reactivity:** The product is stable under recommended storage and handling conditions.

**10.2 Condition of instability:** static, flame, sparks, heat.

**10.3 Incompatibility with various substances:** Reactive or incompatible with oxidizing materials, acids, alkalis

**10.4 Hazardous decomposition products:** carbon monoxide, carbon dioxide, oxynitride



## **11. Toxicological information**

### **11.1 Acute hazardous effect**

**11.1.1 Inhalation:** Irritating to respiratory system.

**11.1.2 Skin:** Repeated or prolonged contact may cause removal of natural fat from skin resulting in non-allergic dermatitis and absorption through the skin

**11.1.3 Eye:** May cause irritation and reversible damage

**11.1.4 Ingestion:** May cause effect include: CNS effects, dizziness, drowsiness, fatigue, gastroenteritis, headache, nausea, vomiting, weakness. May also cause irritation and damage to lung caused by inhaled when swallow and vomit

### **11.2 Potential chronic health effects:**

**11.2.1 Inhalation:** not available

**11.2.2 Skin contact:** not available

**11.2.3 Ingestion:** not available

**11.2.4 Other special effect:** not available

## **12. Ecological information**

**12.1** There is no data available of this product itself.

**12.2** This product are not allowed to enter drains and water courses.

## **13. Disposal Considerations**

**13.1** Avoid dispersal of spilled material and runoff to contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**13.2** Empty containers should be recycled or disposed through an approved waste management facility.

## **14. Transportation information**

**UN number:** UN 1263

**Proper shipping name:** Paint and paint related material

**Class:** 3

**Packing group:** II



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### **15. Regulatory information**

**Safety, health and environmental regulations specific for the product:**

**No known specific national and/or regional regulations applicable to this product (including its ingredients).**

### **16. Other information**

**Date of previous issue Date of issue/Date of revision: 14 October 2018**

**Key to abbreviations :**

**UN = United Nations**