**MSDS**

**Material Safety Data Sheet**

**Product and Manufacturer Information**

|  |  |
| --- | --- |
| Item name： | TPU Hot Melt powder |
| Thickness： | 0-80um，80-170um，100-200um etc, Customized Available |
| Width： | 20kg/bag |
| Applications： |  Textile and fabric areas |
| Features： | Good washing resistance |
| Company： | Jiangyin Qiantai New Material Technology CO., LTD |
| Address： | No.32 Kangxu Road zhouzhuang town jiangyin Jiangsu China  |
| Telephone： | +86 510 86182887 | Post Code： | 214424 |
|  |  |  |  |
|  |  |

**二、Material Composition**

|  |  |  |  |
| --- | --- | --- | --- |
| Virgin material | **√** | Mixture |  |
| Substance | CAS No. | Percentage |
| polyurethane | 25214-81-7 | 100% |

**三、Risk Summarize**

|  |  |
| --- | --- |
| characteristic symptom： | None |
| invasion route： | None |
| health hazard： | None |
| environment hazard： | None |
| special hazard： | None |

**四First aid treatment**

|  |  |
| --- | --- |
| skin exposure： | normally no damage |
| eye exposure： |  no eye exposure problem under normal operation |
| inhalation： |  no smell, no causing cases as headache,dizzy,dazzled, unconscious  |
| ingestion： | Immediately see doctor |

**五、Fire protection**

|  |  |
| --- | --- |
| Special protective equipment for fire fighters： | None |
| Extinguish： |  Water, Carbon Dioxide,Dry Powder |
| Special damage during extinguishing： | None |

**六、 Leakage solution**

|  |
| --- |
| no have leakage influence |

**七、Operation and Storage**

|  |  |
| --- | --- |
| Operation caution： | Avoid scald during high temperature operation |
| Storage caution： | Keep off sun exposure,water sprinkler protection, normal temperature store(10-30℃∕40％-60％RH),damp-proof with airing |
| Storage life： | 3year |

**八、Touch control/Individual protection**

|  |  |
| --- | --- |
| Individual protection： | Gloves |
| About equipment： | No need special protective equipment |
| Other protection： |  No other special equipment |

**九、Physicochemical property and use advice**

|  |  |  |  |
| --- | --- | --- | --- |
|  Appearance： | half transparent light blue film |  Solubleness： | Insoluble in water |
|  Melting data: | 30±10g/160℃/10min |  Melting Point: | 95-115℃ |
|  Grammage: | 9.97g/ mP2P/0.01mm |  Wash resistance： |  Good |
| Bonding Strength: | ＞5kgf(2.5cm) | Hardness： | 80A |
| High Temperature resistance： |  Preferable | Low temperature resistance： | Good |
| Working condition： | Press Machine | Pressure：0.1～0.4Mpa，Temperature：135～160℃，Time：5～8S |
| Compound Machine  | Pressure：0.1～0.4Mpa，Temperature：135～160℃，Time：5～8S |
|  | high frequency | Pressure：0.1～0.4Mpa，Temperature：135～160℃Time：5～7S |
| Tips：Adjust the working condition when dealing with different base material, thickness and way of use film |

**十、Stability and reactivity**

|  |  |
| --- | --- |
| Stability： | Good |
| Touch avoidance： |  Wet, High temperature |
| Decomposer： | None |
| Material avoidance： | None |

**十一、Poisonousness Data**

|  |  |  |  |
| --- | --- | --- | --- |
| Acute toxicity： |  None | Teratogenicity： |  None |
| Sub-acute： |  None |  Carcinogenicity： |  None |
| Irritation ： |  None | Chronic toxicity ： |  None |
| Sensitization： |  None |  Reproduction toxicity： |  None |
| Mutagenicity: |  None |  Other： |  None |

**十二、 Ecological information**

|  |  |
| --- | --- |
| Durability and Decomposability： |  Unknown |
| Biological accumulation： |  Unknown |
| Eco-toxicity： | None |

**十三Abandon dispose**

|  |
| --- |
| Centralized recovery and let environmental protection department to settle  |

**十四、Transport information**

|  |  |  |  |
| --- | --- | --- | --- |
| Packing mark： |  Product mark | Packing specification： | take specification label as principle |
| Packing method： | Kraft paper with film  | Transport Care： |  Avoid sharp hit |

**十五Law and regulations**

|  |
| --- |
|  None |

**十六、Other information**

This sheet is used for product sales according to its application and apply method. Any other usage apart from this product sales is not available, otherwise may cause unmentioned danger.

If you purchase the product and provide to other user, you have responsibility to make sure that the product will be used under this MSDS。

 If you are an employer, you have responsibility to let your employee know the operation way according to this sheet.