



Special-Effect Energizing Agent KC3060 MSDS

1. Chemical name and manufacturer information

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| English name | Special-Effect Energizing Agent KC3060 | CAS # | / |
| Chinese name | 抗静电剂 KC3090 | Model | KC3060 |
| Product use | It can improve the chargability of powder particles and improve the powdering rate. When spraying, the surface charge on the workpiece is leaked out in time, thus overcoming the electrostatic shielding effect and making the corners or surfaces easy to powder. | | |
| Name of Supplier | Anhui Kingcham New Material Co., Ltd | Telephone | 0551-62759996 |
| Supplier address | Room 1305 Jinqian Square , No. 4680 Jinzhai Road , Shushan District, Hefei, 230026 ,Anhui, China. | Fax | 0551-68174569 |

2. Chemical composition/composition information

| Chemical composition | Content (%) | CAS # |
|--------------------------------|-------------|------------|
| Polyethylene glycol PEG4000 | >99% | 25322-68-3 |

3. Hazard overview

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ system virus (one-time exposure) (Category 3)

4. First aid measures

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| Skin contact | Take off contaminated clothes and wash them with plenty of running water. |
| Eye contact | Lift eyelids and rinse them with flowing water or normal saline. Seek medical attention immediately. |
| Intake | Drink plenty of warm water, induce vomiting and seek medical treatment. |

5. Fire control measures

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| Hazard characteristics | Combustible in case of open flame |
| Harmful combustion products | Carbon oxides, nitrogen oxides, hydrogen bromide |
| Fire extinguishing methods and extinguishing agents | Fire extinguishing method: Evacuate people away from the fire site. Isolate the fire site and prohibit unnecessary people from entering. Soak the burning materials thoroughly with water to cool and prevent re-burning. Spray water to cool containers exposed to fire and areas affected by fire until the flame is extinguished and the danger of re-burning is relieved. If the product is contaminated, please observe the heat generation and/or decomposition of the product. When extinguishing fire, stand in the protected area or keep a safe distance. Consider using unmanned hose brackets or adjusting nozzles to extinguish fires. For small fires, you can hold dry powder fire extinguishers or carbon dioxide fire extinguishers to extinguish fires. Forced use of fire extinguishing reagents may lead to dust explosion hazard. Remove as far as possible without danger. Fire extinguishing agent: atomized water, dry powder fire extinguisher, carbon dioxide fire extinguisher and anti-dissolving foam fire extinguisher. |
| Precautions for fire extinguishing | Firefighters should wear gas masks, and self-contained positive pressure respirators and full-body fire-fighting clothes should be worn for handling large amounts of leaks. |

6. Emergency treatment of leakage

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| Emergency treatment | Use personal protective equipment, avoid dust production, avoid inhaling steam, smoke or gas, ensure adequate ventilation, and evacuate personnel to a safe area. Don't let the product enter the sewer. Do not generate dust during collection and disposal, sweep and shovel it off and put it into a suitable closed container for treatment. |
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7. Operation and storage

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| Operational Precautions | Avoid contact with skin and eyes. Avoid dust and aerosol formation. Provide suitable exhaust equipment in places with dust. General fire prevention measures. |
| Storage considerations | Store in a cool place, keep it airtight in a container, and store it in a dry and ventilated place. |

8. Contact control and personal protective measures

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| Occupational exposure limit | 10mg/m ² |
| Engineering control | Closed operation, local exhaust |
| Eye protection | Wear chemical safety goggles when necessary |
| Body protection | Wear general working protective clothing |
| Respiratory system protection | When the dust concentration in the air is high, it is recommended to wear a self-priming filter dust mask. |
| Hand protection | Wear general work protective gloves |
| Other protection | After work, bathe and change clothes. Pay attention to personal hygiene. |

9. Physical and chemical characteristics

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| Main components | Polyethylene glycol PEG4000 |
| Appearance and character | Granular |
| Melting point/°C | 64~66 |
| Boiling point /°C | >250 |
| Vapor density | >1 (vs air) |
| Vapor pressure/mmHg | <0.01 (20°C) |
| refractive index | 1.469 |
| Main uses | This product is used as a special additive for powder coatings |

10. Stability and reactivity

Avoid exposure to humidity and prohibit strong oxidants.

11. Toxicological information

LD50: 33750 mg (rat, orally) LC50: No data available .

Avoid contact with skin and eyes.

12. Ecological information

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| Ecotoxicity | No data |
| Biodegradation | No relevant information was found. |
| Biodegradable | No relevant information was found. |
| Other harmful effects | In non-professional operation and treatment, the harm to the environment is not excluded. |

13. Waste disposal

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| Property of waste | General industrial solid waste |
| Waste disposal method | It is treated by a professional waste treatment company. Do not pour into any sewer, ground, or any water body. Do not burn in mixed flammable solvents. |
| Precautions for Abandonment | All disposal operations must comply with local regulations. Regulations may vary from region to region. Waste identification and compliance with relevant laws and regulations are the sole responsibility of waste producers. As a supplier, we cannot control the management measures or manufacturing processes in the use and treatment of this material by the user unit. |

14. Transport information

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| Dangerous goods number | No data |
| Packaging category | No data |
| Packaging method | Built-in plastic bag packaging, external waterproof kraft paper bag. |
| Transportation precautions | Packing should be complete at departure and loading should be safe. Make sure there is no leakage during transportation. It is strictly forbidden to mix with oxidants, acids, etc. During transportation, it is necessary to prevent high temperature exposure and rain. |

15. Regulatory information

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| Regulatory information | << Regulations on Safe Use of Chemicals in the Workplace >> |
| | << Occupational Exposure Limits for Hazardous Factors in the Workplace-Chemical Factors >> (GB 2.1) |
| | << Environmental Management Measures for New Chemicals >> |
| | Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste |
| | Classification and marking of commonly used hazardous chemicals (GB 13690) |
| | Regulations on Safety Management of Hazardous Chemicals << Dangerous Goods List >> (GB 12268) |
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16. Other information

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| MSDS Description | This information is based on our knowledge. However, this does not constitute a guarantee for any specific product characteristics, nor should it establish a legally effective contractual relationship. |
| Release department | Anhui Kingcham Technology Department |
| Release time | 2021.6 |