**Material Safety Data Sheet**

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| Section 1: Product and Company Information |

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| **Product name** | Coadd™ D-6028 |
| **Product Use** | Dispersing Agent |
| **Company name** | Polywill (Shanghai) Advanced Material Co., Ltd. |
| **Street Address** | No 3399, Kang-Xin Highway, Building 17. Pudong District, Shanghai, China |
| **Telephone** | +86-21-20965181 |
| **Fax** | +86-21-20965197 |
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| **Emergency response Information** | +86-21-20965181 |

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| Section 2: Hazard Identification |

Hazard classification

GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

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| Section 3: Composition/Information on Ingredients |

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| **Substance / Mixture:** | Mixture |
| **Chemical Nature** | Solution of polyacrylate copolymer ammonium salt |

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| Component | CAS No. | Wt % |
| Functionalized polyacrylate copolymer | Not Hazardous | 49 - 51 |
| Water | 7732-18-5 | 49 - 51 |

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| Section 4: First-aid Measures |

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| **If inhaled:** | Move to fresh air. If not breathing, give artificial respiration. |
| **If in eyes:** | Flush eyes with plenty of clean water for an extended time. If eye irritation persists, call a physician. |
| **If on skin:** | Wash the affected area thoroughly with plenty water and soap. If skin irritation persists, consult a specialist. |
| **If swallowed:** | Drink 1 or 2 glasses of water. See a physician if necessary. Never give anything by mouth to an unconscious person. |

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| Section 5: Fire-fighting Measures |

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| **Extinguishing media:** | Use extinguishing media appropriate for surrounding fire. |
| **Special protective equipment for firefighters:** | Fire fighters to wear full protective clothing and self-contained breathing apparatus (SCBA) in confined spaces. |
| **Specific hazards during firefighting:** | Dried product can burn.Material can splatter above 100C/212F. |

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| Section 6: Accidental Release Measures |

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| **Personal precautions:** | Do not contact with eyes or skin directly. Wear proper personal protective clothing, gloves and equipment. Keep people away from and upwind of spill. |
| **Environmental precautions:** | Do not flush liquid into public sewer, water system or surface waters |
| **Clean up:** | Contain spills immediately with inert sand or earth materials. Transfer liquids and solid material to separate suitable containers for recovery or disposal. |
| **Other information:** | This product may cause the floor to be slippery. |

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| Section 7: Handling and Storage |

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| **Handling:** | Keep container tightly closed. Do not breathe vapors, mist or gas. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. |
| **Storage:** | Storage temperature isabout 0 - 45 °C.Stir well before using. Keep from freezing- product stability may be affected. Suggested to be away from sources of ignition and out of direct sunlight. |

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| Section 8: Exposure Controls/Personal Protection |

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| **Exposure limits:** | Exposure limits are listed, if they exist. |
| **Exposure Controls**  **Engineering controls:** | Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems. |
| **Protective measures:** | Facilities storing or utilizing this material should be equipped with an eyewash facility. |
| Individual protection measures |  |
| Eye/face protection: | Safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed. |
| Skin protection: | The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves |
| Respiratory protection: | Use certified respiratory protection equipment meeting EU requirements (89/656/EEC, 89/686/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization. |

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| Section 9: Physical and Chemical Properties |

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| **Appearance** | Light yellow liquid |
| **Odor** | Mild |
| **pH** | 6.5-8.5 |
| **Flash point** | No applicable |
| **Viscosity** | <1000mPa.s |
| **Water solubility** | Soluble |
| **Relative density** | 1.12 |
| **Lower explosion limit** | No applicable |
| **Upper explosion limit**  **Decomposition temperature**  **Flammability**  **Boiling point (℃)**  **Explosive properties** | No applicable  No data available  Not applicable  100 (water)  No data available |
| **Percent volatility** | 49 – 51% water |

NOTE: The physical data above are only typical values and not be constitute specification.

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| Section 10: Stability and Reactivity |

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| **Stability** | This material is considered stable. |
| **Conditions to avoid** | No data available. |
| **Hazardous reactions** | Thermal decomposition may yield COx, NOx vapor. |
| **Polymerization** | Product will not undergo polymerization. |

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| Section 11: Toxicological Information |

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| Toxicity  Acute toxicity | Inhale; Eye; and Skin |
| **Oral:** | No data available |
| **Inhalation:** | No data available |
| **Dermal:** | No acute effect. Chronic effect unknown. |
| **Skin:** | No data available |
| **Eye irritation:** | No data available |
| **Sensitization:** | No data available |
| **Carcinogenicity:** | No data available |
| Mutagenicity |  |
| Reproductive Cell Mutagenicity: | No data available |
| Specific Target Organ Systemic Toxicity (Single Exposure) | No data available |
| Specific Target Organ Systemic Toxicity (Repeated Exposure) | No data available |
| Aspiration Hazard | No data available |
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| Section 12: Ecological Information |

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| Acute aquatic toxicity | No data available |
| Chronic aquatic toxicity |  |
| Chronic toxicity to fish: | No data available |
| Chronic toxicity to aquatic invertebrates: | No data available |
| Toxicity to soil-dwelling organisms: | No data available |
| Toxicity to terrestrial plants: | No data available |
| Toxicity to other non-mammalian terrestrial species: | No data available |
| Persistence and Degradability | |
| Physico-chemical removability: | No data available |
| Bioaccumulative Potential |  |
| Bioaccumulation: | No data available |
| Mobility in Soil |  |
| Partition coefficient: n-octanol/water: | No data available |
| Distribution among environmental compartments: | No data available |
| Fate and behavior in the environment: | No data available |

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| Section 13: Disposal Considerations |

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| **Environmental precautions:** | Keep spills and cleaning runoff out of municipal sewers and open bodies of water. |
| Disposal: | For disposal, incinerate or landfill at a permitted facility in accordance with local regulations. |

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| Section 14: Transport Information |

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| **Classification for ROAD and Rail transport:** | |
|  | Not regulated (Not dangerous for transport) |
| **Classification for SEA transport (IMO-IMDG):** | |
|  | Not regulated (Not dangerous for transport) |
| Classification for AIR transport (IATA/ICAO): | |
|  | Not regulated (Not dangerous for transport) |

*Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations*

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| Section 15: Regulatory Information |

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| **China. Inventory of Existing Chemical Substances in China (IECSC):** | |
|  | All intentional components in this product are either listed on the Inventory of Existing Chemical Substances in China (IECSC) or approved for exemption. Production and/or use is limited by the conditions of the exemption.  Measures for Environmental Management of New Chemical Substances;  Law of the People’s Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste |
| **United States TSCA Inventory (US.TSCA):** | |
|  | All components of this product are produced in compliance with the requirements of the U.S. Toxic Substances Control Act (TSCA) and are either listed on or are exempt from listing on the Inventory. |
| Section 16: Other Information | |

**Hazard Rating System.**

**HMIS**

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| Health | Flammability | Physical Hazard |
| 1 | 0 | 0 |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.