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| ***1.Chemical Product Identification*** |
| ***Product Name : FCH311***  ***Manufacturer :Zhongshan Zhongtai Pigment Co., Ltd.***  ***Address : 3rd floor, No.27, Tanbei west second road, Dongshengtown, Zhongshan .***  ***Tel : 0760-88618589/88633589***  ***Fax : 0760-88169969*** |
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| ***2. Composition /information on ingredients*** |
| ***Key Ingredient CAS NO. EC NO. Target%***  ***Polyethylene terephthalate 25038-59-9 607-507-1 97.02***  ***Acrylates copolymer 25133-97-5 607-559-5 2.24***  ***Aluminum 7429-90-5 231-072-3 0.01***  ***FD&C Red 40 (CI.16035) 25956-17-6 247-368-0 0.62***  ***D&C Red 27 (CI.45410:2) 15876-58-1 240-012-5 0.11*** |
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| ***3. Hazard identification*** |
| ***It does not have to be labeled according to the Preparation Guideline, respectively EU-directives 67/548/EEC or 1999/45/EC*** |
| ***No risks from this product regarding human health or environment are apparent. We therefore have no Knowledge of chronic or skin irritating effects when physical contacts has occurred*** |
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| ***4.First aid measures*** |
| ***Effects and Symptoms:***  ***Effects of Overexposure : May cause mechanical irritation to eyes.***  ***Medical Conditions Aggravated by Exposure : Persons with respiratory conditions maybe at increased risk. Primary Route(s) of Entry : Inhalation, Ingestion and eyes.***  ***Emergency First Aid:*** |

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| ***Eye Contact : Flush eyes with water for at least 15 min. See physician if irritation persists. Skin Contact : Flush skin with soap and water for at least 15 min.***  ***Inhalation : Remove to fresh air. If breathing is difficult give oxygen. See physician.***  ***Ingestion : None needed for small amounts. For large amounts, if conscious, give water and call physician. Do not induce vomiting.*** |
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| ***5. Fire-fighting measures*** |
| ***Flash Point (Closed Cup) : N/A***  ***Flammable Limits LEL/UEL % : N/A***  ***Extinguishing Media : Water, Dry Chemical, Foam, and CO2***  ***Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing. Unusual Fire And Explosion Hazards : risk of dusk explosion(through Aluminium powder)*** |
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| ***6.Accidental release measures*** |
| ***Personal Precautions : Eye contact and inhalation.***  ***Environmental Precautions : Prevent material from contaminating soil or entering sewerage and drainage systems. Spill response : Use appropriate NIOHS/MSHA approved respirator. Wear chemical gloves, goggles,***  ***and lab coat. Carefully contain spilled material. Deposit spilled material in appropriate waste container. Wash spill area with soap and water.*** |
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| ***7.Handling and storage*** |

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| ***Handling : Avoid overheating through improper processing and dusting***  ***Local ventilation and airing guarantee, that all limits mentioned under point 8.1 are maintained Keep away from sources of ignition***  ***Storage : Store in tightly closed (original) containers. Store in dry place.*** |
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| ***8. Exposure controls/personal protection*** |
| ***Personal protection:***  ***Eye Protection : Safety glasses with side shields or goggles Skin Protection : Rubber gloves, wash at meals and end of shifts***  ***Respiratory Protection : Use NIOSH/MSHA approved air-purifying respirator as needed to control exposure. Ventilation : Provide adequate general mechanical exhaust.*** |
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| ***9. Physical and chemical properties*** |
| ***Boiling point (*℃*) : N/A Percent Volatile By Vol. (%): N/A***  ***Freezing Point (*℃*) : N/A Vapor Density (Air=1): N/A Melting point (*℃*) : 265~280* ℃ *Evaporation Rate (Buac=1):N/A Vapor Pressure (mm hg) : To be disregarded Solubility In Water: Insoluble***  ***Bulk Density (kg/ dm3) : 0.60~1.0 kg/dm3 Appearance & Odor: Red powder, Odorless Density (kg/dm3) : 1.4 kg/dm3*** |
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| ***10.Stability and Reactivity*** |
| ***Stable : Yes***  ***Hazardous Polymerization : Will not occur***  ***Conditions To Avoid : Open flames and sparks, extreme heat, oxidizing materials Incompatibility : Oxidizing materials and strong caustic materials can cause a reaction. Hazardous Decomposition Products : Incomplete combustion can form CO,CO2,and dense smoke*** |
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| ***11. Toxicological information*** |
| ***There is no toxicological data available***  ***According to our knowledge, the product does not cause any health defects, if proper handled and the product has been*** |

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| ***applied as intended***  ***The contact with the melted product can cause burn wounds. The inhalation of dust and decomposition gases Can cause health defects.*** |
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| ***12. Ecological information*** |
| ***Ecological respectively ecotoxicological data is not available***  ***According to our knowledge, the product does not cause any damages to the environment, if proper handled and the product has been applied as intended*** |
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| ***13.Disposal considerations*** |
| ***Method of Disposal: Dispose of in accordance with all applicable federal, state and local regulations. Material may be sent to an approved landfill or licensed treatment, storage and disposal facility.*** |
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| ***14. Transport information*** |
| ***Non-hazardous materials in terms of ADR/GGVS, RID/GGVE, ICAO/IATA, IMDG*** |
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| ***15. Regulatory information*** |
| ***None in accordance to the EU Directive 67/548/EEC(substance directive),1999/45/EC(dangerous preparation directive) or in accordance to any other known EU regulations*** |
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| ***16.Other information*** |
| ***Summary of the Risk-/Safety-Phrases(chapters 3.2) (rating of substance Aluminium) R-Phrases: R10 Flammable***  ***R15 Reacts with water under development of highly flammable gases***  ***S-Phrases: S(2) To be kept out of the reach of children S7/8 Keep the container dry and tightly sealed***  ***S43 To extinguish use dry power. Do not use water*** |
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