

Chemical Safety Data Sheet

BC-68 Red Black Anticorrosive Enamel

Part I: Chemicals and enterprise identification

Chinese name of chemical: BC68 red black anticorrosive enamel

Enterprise name: Changchun Jida Chemical Plant

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Code of technical specification: 01

Part II: Composition/Composition Information

Pure ☐

Mixture ☒

Main ingredients of the product: 60% acrylic modified alkyd resin, 3% of 837.6500 and other additives, 25% of various pigments, fillers, aluminum tripolyphosphate, precipitated barium sulfate, talcum powder, etc., and 12% of toluene, alcohol ether and other solvents.

Part III: Hazard Overview

Hazard category: flammable liquid with flash point in paint category

Immersion route: harmful by inhalation, ingestion

Health hazard: irritating and sensitizing to skin and mucous membrane

Environmental hazard: the substance is harmful to the environment, and special attention should be paid to water pollution

Hot explosion hazard: flammable

Part IV: First aid measures

Skin contact: Take off the contaminated clothes and wash the skin thoroughly with soap water and clean water

Eye contact: immediately open the upper and lower eye faces, wash with flowing water, and seek medical advice

Inhalation: quickly leave the site to a place with fresh air. Keep the respiratory tract unobstructed and seek medical advice.

Ingestion: Drink enough warm water and consult a doctor

Part V: Firefighting measures

Hazard characteristics: flammable in case of open fire

Hazardous combustion products: CO₂

Extinguishing method and extinguishing agent: foam, dry powder and sand can be used

Precautions for fire extinguishing: water extinguishing is invalid

Part VI: Emergency Treatment

Emergency treatment: cut off the fire source, isolate it, and strictly limit the entry and exit. Cut off the leakage source as much as possible and protect the site

Elimination method: centralized incineration

Part VII: Handling and Storage

Precautions: strengthen ventilation, operators must receive special training and strictly abide by the operating procedures.

Storage precautions: Store in a cool, ventilated place, away from open fire. The warehouse temperature should not exceed 30 ° C, and the storage area should be equipped with leakage emergency treatment equipment and appropriate materials.

Monitoring method for exposure control and personal protection: gas chromatography.

Respiratory protection: wear protective mask.

Body protection: wear protective work clothes.

Part VIII

Maximum allowable concentration: 500PPL/00PPL.

Engineering control: strengthen ventilation during production.

Eye protection: wear safety glasses

Hand protection: wear rubber oil resistant gloves.

Part IX: Physical and Chemical Properties

Appearance and properties: colored adhesive

PH value: neutral

Melting point (°C): None

Boiling point (°C): None

Saturated vapor pressure (kPa): None

Critical temperature (°C): None

Logarithmic value of octanol/water partition coefficient: none

Flash point (°C): >23 ° C

Ignition temperature (°C): 562

Relative density (water=1): 1.25

Relative vapor density (air and water=1): none

Combustion heat (kJ/mol): no assessment

Critical pressure (Mpa): None

Upper explosive limit% (V/V): None

Lower explosive limit% (V/V): None

Solubility: insoluble in water, miscible with alcohol, etc.

Main application: used for anti-corrosion decoration of machinery, steel, bridges, equipment, etc.

Other physical and chemical properties: none

Part 10: Stability and Reactivity

Stability: Stable. Forbidden compound: strong oxidant.

Conditions to avoid contact: open flame, high temperature

Polymerization hazard: None

Decomposition products: None

Part XI: Toxicological data

Acute toxicity: headache, dizziness and other discomfort after long-term exposure

Subacute and chronic toxicity: chronic poisoning after long-term exposure

Irritation: slight irritation.

Sensitization: No assessment.

Plain mutagenicity: None.

Teratogenicity: None.

Carcinogenicity: No data.

Others: None

Part 12: Ecological Data

Ecotoxicity: volatile aromatic solvent is exposed to the atmosphere.

Biodegradability: The substance is volatile and degradable.

Non-biodegradable: None.

Bioaccumulation: None.

Other harmful effects: None

Part XIII: Waste Disposal

Nature of waste: volatile, polluting the atmosphere.

Waste disposal method: disposal by controlled incineration

Waste precautions: it is not easy to bury deeply and discharge public sewers.

Part XIV: Transport information

Dangerous goods No.:

UN No.: 1139

Packing mark: Flammable

Packing type: II

Packaging method: small opening steel drum, metal drum (can).

Transportation precautions: transportation shall be carried out early or late in summer to prevent exposure to sunlight. Drive according to the specified route

Part 15: Regulatory Information

Regulatory information: The Regulations on the Safety Administration of Dangerous Chemicals (issued by the State Council on February 17, 1987) have made corresponding provisions on the safe production, use, storage, transportation, loading and unloading of dangerous chemicals. Classification and Marking of Common Hazardous Chemicals (GB13690-92), which is classified as flash point flammable liquid in Category 3.2.
Safety instructions: technical paint instructions

Part XVI: Other Information

References: Safety Technology of Dangerous Chemicals, Chemical Industry Press, 1997, etc

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