

# 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

Address: Yuejin Village, Chengxi Town, Lyyuan District, Changchun City

Post code: 130062

E-mail address: jidahuagongchang@126.com

Fax No.: 0431-81303018

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: CO<sub>2</sub>

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

Date of filling: June 29, 2021

Filled by: Technology Department of Changchun Jida Chemical Plant

Filled by: Chen Minchang

Reviewed by: Changchun Jida Chemical Plant