MATERIAL SAFETY DATA SHEET

HANGZHOU COLORING CHEMICAL CO., LTD ROOM 4101 NO 2 BUIDING RADISSON FORTUNE CENTER NO 108 NORTH SHIXIN ROAD XIAOSHAN AREA HANGZHOU CITY CHINA pigments@coloringchem.com

MANUFACTURER: HANGZHOUCOLORING CHEMICAL CO., LTD

1. TRADE NAME (PRODUCT IDENTIFIER): BENZIDINE YELLLOW 12010F

ROOM 4101 NO 2 BUIDING RADISSON FORTUNE CENTER NO 108 NORTH

SHIXIN ROAD XIAOSHAN AREA HANGZHOU CITY CHINA

EMERGENCY NUMBER: Tel: 0086-571-83881698 Fax: 0086-571-82890175

2. COMPOSITION / INFORMATION ON INGREDIENTS

CONTENT: C.I. 21090 CAS-No.: 6358-85-6 EINECS NO.:228-787-8

HAZARDOUS INGREDIENTS No Hazardous

3. POSSIBLE HAZARDS

4. FIRST AID MEASURES

GENERAL ADVICE

IF INHALED IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.

IF A EMPLOYEE HAS INHALED MORE THAN A TOLERABLE QUANTITY OF DUST COUNTERACT

BY REMOVAL OF PERSON TO FRESH AIR

ON SKIN CONTACT AVOID CONTACT WITH SKIN. WASH CONTAMINATED PARTS WITH PLENTY OF WATER

ON CONTACT WITH EYES AVOID CONTACT WITH EYES. IF EYE CONTAMINATED, RINSE IT OUT WITH WATER, ASK FOR

MEDIACAL HELP

ON INGESTION WHEN USING DO NOT EAT OR DRINK. IF SWALLOWED, INDUCE VOMITING, SEEK MEDICAL ADVICE

IMMEDIATELY

5. FIRE FIGHTING MEASURES

suitable extinguishing media: water, water mist, foam, co2

unsuitable extinguishing media for safety reasons: the following can be given off in a fire: gas / vapour

special protective equipment: wear suitable respiratory equipment

further information: the contaminated water must be eliminated based on law

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS : DO NOT BREATHE THE DUST

ENVIRONMENTAL PRECAUTIONS : AVOID CREATING DUSTY CONDITIONS

METHODS FOR CLEANING UP : BURNING OR DISPOSAL IN ACCORDANCE WITH LOCAL REGULATIONS FOR CHEMICAL

WASTE

7. HANDLING AND STORAGE

HANDLING:

PROTECTION AGAINST FIRE AND EXPLOSION: KEEP AWAY FROM SOURCES OF IGNITION – NO SMOKING TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES

STORAGE:

KEEP ONLY IN THE ORIGINAL CONTAINER AWAY FROM FOODSTUFFS IN DRY AND VENTILATED AREA

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS: TWA (8h/ total dust): 10 mg/m3

TWA (8h/ dust breathable) : 5 mg/m³

CONTROL PARAMETERS AND PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION : FILTERS HAND PROTECTION : GLOVES

EYE PROTECTION : SAFETY GLASSES BODY PROTECTION : PROTECTIVE SUIT

GENERAL SAFETY AND HYGIENE MEASURES: WHEN USING DO NOT EAT OR DRINK

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Powder

COLOUR: Yellow powder

ODOUR: No

PH at 10 g/l H2O (20°C): 6.0-7.0 BOILING POINT / RANGE : Not available

PCB: 0

IGNITION TEMPERATURE: Not available COMBUSTIBILITY: Not available EXPLOSION HAZARD: Not available FIRE PROMOTING PROPERTIES: Not available VAPOUR PRESSURE: Not available

DENSITY: Not available

SOLUBILITY IN WATER: Insolube WATER PARTITION COEFFICIENT:

VISCOSITY: Not available

MELTING SOFTENING POINT: 322°C MOLECULAR FORMULA: C₃₂H₂₆CL₂N₆O₄ MOLECULAR FORMULAR: 629.49

10. STABILITY AND REACTIVITY

CONDITION TO AVOID: PROTECT FROM HUMIDITY

HAZARDOUS REACTIONS:

11. TOXICOLOGICAL INFORMATION

ORAL ACUTE TOXICITY (RAT): DL60> 2000mg/kg or treated in rats SKIN IRRITATION (RABBIT): Skin irritation studies have been reported to be negative EYES IRRITATION (RABBIT'S EYES): Eye irritation studies have been reported to be negative

12. ECOLOGICAL INFORMATION

BIOLOGICAL ELIMINATION

FISH TOXICITY LC50

13. DISPOSAL CONSIDERATION

DISPOSE OF THE PRODUCT IN ACCORDANCE WITH LAW

14. TRANSPORT INFORMATION

GGVSee / IMDG : NO HAZARDOUS PRODUCT UN NO : NO HAZARDOUS PRODUCT GGVE / GGVS : NO HAZARDOUS PRODUCT RID / ADR : NO HAZARDOUS PRODUCT ICAO / IATA – DGR : NO HAZARDOUS PRODUCT ADNR : NO HAZARDOUS PRODUCT

15. REGULATORY INFORMATION

LABELLING ACCORDING TO EEC DIRECTIVES

DESCRIPTION OF HAZARDOUS' SYMBOL

DESCRIPTION OF RISK PHRASES

IN ACCORDANCE WITH THE FOLLOWING LAW:

16. OTHER INFORMATION

THE INFORMATION CONTAINED HEREIN IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE AND DOES NOT THEREFORE GUARANTEE CERTAIN PROPERTIES.