

# MATERIAL SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

SUPPLIER: DONGGUAN BAOXU CHEMICAL TECHNOLOGY LTD  
ROOM 1118 CAIJIN BUSINESS BUILDING, NAN CHENG DISTRICT,  
DONGGUAN, GUANGDONG, CHINA  
P:86-769-22821082 M:86-18566530506 E:info@additivesforpolymer.com  
SUBSTANCE: Pigment Red 81

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: Benzoic Acid, 2,-[6-Ethylamino]-3-(Ethylimino)-2,7-Dimethyl-3h-Xanthen-9-Yl]-, Ethyl Ester, W/Molybdenum Tungsten Hydroxide Oxide Phosphate  
CHEMICAL FAMILY: Rhodamine  
CAS NUMBER: 12224-98-5  
EC NUMBER (EINECS): 235-424-7  
PERCENTAGE: 100%

## SECTION 3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=1 REACTIVITY=0  
EC CLASSIFICATION (CALCULATED): No classification assigned.  
MAJOR HEALTH HAZARDS: No significant target effects reported.  
PHYSICAL HAZARDS: Dust/air mixtures may ignite or explode.  
POTENTIAL HEALTH EFFECTS:  
INHALATION: Short Term Exposure: Irritation.  
Long Term Exposure: No information is available.  
SKIN CONTACT: Short Term Exposure: No information on significant adverse effects.  
Long Term Exposure: No information is available.  
EYE CONTACT: Short Term Exposure: No information on significant adverse effects.  
Long Term Exposure: No information is available.  
INGESTION: Short Term Exposure: Nausea, vomiting, diarrhea, stomach pain.  
Long Term Exposure: No information is available.  
CARCINOGEN STATUS: OSHA: N NTP: N IARC: N

## SECTION 4. FIRST AID MEASURES

INHALATION: Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed. Get medical attention.  
SKIN CONTACT: Remove contaminated clothing, jewelry, and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention, if needed.  
EYE CONTACT: Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.  
INGESTION: If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention, if needed.

## SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Slight fire hazard. Dust/air mixtures may ignite or explode.  
EXTINGUISHING MEDIA: regular dry chemical, carbon dioxide, water, regular foam. Large fires: Use regular foam or flood with fine water spray.  
FIRE FIGHTING: Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL RELEASE: Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area and deny entry.

## SECTION 7. HANDLING AND STORAGE

Handle and store in accordance with all current regulations and standards. Store in a tightly closed dry container and keep in a ventilated, cool and dry place, avoid to contact with acid material and expose to air. Keep away from sources of ignition, refrain from smoking.

## SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS: No occupational exposure limits established.

VENTILATION: Provide local exhaust ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Ensure compliance with applicable exposure limits.

CLOTHING: Wear appropriate chemical resistant clothing.

EYE PROTECTION: Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

HAND PROTECTION: Wear appropriate chemical resistant gloves.

RESPIRATORY PROTECTION: Use any air-purifying respirator with filter.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

PHYSICAL FORM: Powder

COLOR: Bright Bluish Red

ODOR: Odorless

MOLECULAR WEIGHT: 7361~8328

MOLECULAR FORMULA: C<sub>28</sub>H<sub>31</sub>N<sub>2</sub>O<sub>3</sub>.X

MELTING POINT:

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

SPECIFIC GRAVITY(Water=1): 1.79~2.51

WATER SOLUBILITY: N

PH: 3.5~5.0

VOLATILITY: Not applicable

ODOR THRESHOLD: Not available

EVAPORATION RATE: Not applicable

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

## SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

INCOMPATIBILITIES: oxidizing materials

OXIDIZERS (STRONG): Fire and explosion hazard.

HAZARDOUS DECOMPOSITION: Thermal decomposition products: oxides of carbon, nitrogen.

POLYMERIZATION: Will not polymerize.

## SECTION 11. TOXICOLOGICAL INFORMATION

TOXICITY DATA: > 5000 mg/kg oral-mouse LD50

ACUTE TOXICITY LEVEL: Insufficient Data.

ADDITIONAL DATA: May cross react with similar compounds.

HEALTH EFFECTS:

INHALATION: Acute Exposure: No specific data available. Some azo dyes may cause irritation.

Chronic Exposure: No data available.

SKIN CONTACT: Acute Exposure: Reported to be non-irritating to rabbits. Some azo dyes may cause allergic contact dermatitis.

Chronic Exposure: No data available.

EYE CONTACT: Acute Exposure: Reported to be non-irritating to rabbits.

Chronic Exposure: No data available.

INGESTION: Acute Exposure: The LD50 for rats was >5000 mg/kg. Some azo dyes cause nausea, vomiting, abdominal pain, diarrhea, fever, general malaise, and hypotension.

Chronic Exposure: No data available.

## SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY DATA:

FISH TOXICITY: 45000 ug/L 48 year(s) LC50 (Mortality) Ide, silver or golden orfe (Leuciscus idus)

## SECTION 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with current regulations. May be taken to waste disposal site or incineration plant after consultation with site operator and/or with the responsible authority.

## SECTION 14. TRANSPORT INFORMATION

LAND TRANSPORT ADR/GGVS/RID/GGVE: Non-hazardous goods.  
INLAND WATERWAY TRANSPORT ADNR: Non-hazardous goods.  
MARINE TRANSPORT IMDG: Non-hazardous goods.  
AIR TRANSPORT IATA/ICAO: Non-hazardous goods.  
DISPATCH BY POST: Permitted.

#### SECTION 15. REGULATORY INFORMATION

##### U.S. REGULATIONS:

TSCA INVENTORY STATUS: Y  
TSCA 12(b) EXPORT NOTIFICATION: Not listed.  
CERCLA SECTION 103 (40CFR302.4): N  
SARA SECTION 302 (40CFR355.30): N  
SARA SECTION 304 (40CFR355.40): N  
SARA SECTION 313 (40CFR372.65): N  
SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21):  
Acute: N Chronic: N Fire: N Reactive: N Sudden Release: N  
OSHA PROCESS SAFETY (29CFR1910.119): N

##### STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: N

##### EUROPEAN REGULATIONS:

EC NUMBER (EINECS): 219-730-8

##### GERMAN REGULATIONS:

WATER HAZARD CLASS (WGK): 1 (Official German Classification)  
WATER HAZARD CLASS (WGK): 0 (Self Classification by Manufacturers and Distributors)

#### SECTION 16. OTHER INFORMATION

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular applications.