

Black Light World
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ISSUE DATE 05/15/15

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Rhodamine B
PRODUCT CODE: 053052S100P022
CHEMICAL FAMILY: Xanthene
T.S.C.A. STATUS: C Compliance
PRIMARY PRODUCT USE: Fluorescent Tracer Dye

SECTION 2: HAZARDS IDENTIFICATION

Warning: Suspected of causing genetic defects (Ingestion) This product contains a substance evaluated as a Category 2 Mutagen based upon in vitro animal studies.

PRIMARY ROUTE OF EXPOSURE:

INHALATION: YES

SKIN ABSORPTION: NO

INGESTION: NO

SKIN CONTACT: YES

EYE CONTACT: YES

CARCINOGEN STATUS IARC: NO

NTP: NO

OSHA: NO

HMIS: 1 0 0 E

CHRONIC EFFECTS OF OVEREXPOSURE: Contains Acid Red 052.. Has been found to be mutagenic in hamster cell tests in vitro. The relevance to humans is not known.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: May be irritating to the eyes, skin, and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED: Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Acid Red 52 (3520-42-1) > 30% In vitro mutagen in animal tests. The exact ingredient percentages and composition has been withheld as a trade secret.

SECTION 4: EMERGENCY AND FIRST AID MEASURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT: Immediately wash with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT: Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

IF INGESTED: Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

SECTION 5: FIRE AND EXPLOSION DATA

FLASH POINT: Not Applicable.

EXTINGUISHING MEDIA: CO2 Dry Chemical Foam Water Fog

FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION: Avoid dusting conditions. May form explosive dust mixtures with air.

SECTION 6: ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED OR SPILLED: Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

SECTION 7: SPECIAL PRECAUTIONS AND STORAGE DATA

SAFE HANDLING: In accord with good industrial practice. Handle with care and avoid personal contact.

SECTION 8: EMPLOYEE PROTECTION RECOMMENDATIONS

GENERAL PROTECTIVE MEASURES: Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION: Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION: Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, & protective gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION: Dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION: Use local ventilation.

OTHER: Wear overalls, apron or other protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: POWDER

COLOR: RED

ODOR: MILD

ODOR THRESHOLD:.....NA

SOLUBILITY IN WATER: 10 g/l at 30 deg C

BULK DENSITY:..... ND

VISCOSITY:.....NA

pH: 6.5 – 8.0 @ 1.0 g/l

MELTING POINT/FREEZING POINT:.....NA

PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND

BOILING POINT:.....NA

VAPOR PRESSURE:.....NA

VAPOR DENSITY:.....NA

EVAPORATION RATE:.....NA
FLAMMABILITY:.....NA
FLASH POINT:.....NA
IGNITION TEMP: NA
DECOMPOSITION TEMPERATURE:....ND
UEL:.....NA
LEL:.....NA

SECTION 10: STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDOUS REACTIONS : None expected.
LOCAL STABILITY:.....Stable
CHEMICAL INCOMPATIBLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS:CO₂, CO, SULFUR OXIDES, NITROGEN OXIDES.
CONDITIONS TO AVOID: Avoid dusting conditions and sparks/flame.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 5000 mg/kg (RAT)
FISH, LC50450 mg/l (48 hour, Rainbow trout)
EYE EFFECTS.....NON-IRRITANT (RABBIT EYE)
SKIN EFFECTSNON-IRRITANT (RABBIT)
SENSITIZATIONNOT A SENSITIZER (RIPT- HUMANS)

SECTION 12: ECOLOGICAL INFORMATION

BIODEGRADABILITY: < 10 %
COD: 1389 mg/g
BACTERIA TOXICITY: > 300 mg/l (Inhibition Activated sludge bacteria)
AOX: 0.0 %

SECTION 13: DISPOSAL CONSIDERATIONS

PRODUCT: If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

SECTION 14: SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55
IATA (C, P) : NON-HAZARDOUS
IMDG: NON-HAZARDOUS

SECTION 15: REGULATORY INFORMATION

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory.
SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.
SARA 312: Immediate (acute) health hazard Yes.
Delayed (chronic) health hazard: No
Fire hazard: No
Sudden Release of Pressure: No Reactivity

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

SECTION 16: OTHER INFORMATION

Black Light World warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Black Light World makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Black Light World be liable for consequential, special, or indirect damages resulting from the use or handling of this product.