



MATERIAL SAFETY DATA SHEET

1 Product and Company Identification

Product name: **Biolog Redox Dye Mix D (100x)**
Product number: 74224
Manufacturer/Supplier: Biolog Inc.
21124 Cabot Blvd.
Hayward, CA 94545
Telephone: 1-510-785-2564
Information department: Technical services.
Emergency information: In case of a chemical emergency, spill, fire, exposure, or accident contact Biolog Inc. at 1-510-785-2564 or 1-800-284-4949

2 Composition/Information

Chemical characterization:
Description: Mixture of the substances listed below with nonhazardous additions.

3 Hazards Identification

Hazard description: This product contains no hazardous constituents, or the concentrations of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communications Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.
Classification system: This classification was made based on information gathered from company and literature data.

NFPA ratings (scale 0-4)



Health = 0
Fire = 0
Reactivity = 0

4 First aid measures

General information: No special measures required.
After inhalation: Seek medical treatment in case of complaints.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: If symptoms persist consult doctor.
Information for doctor: Show this MSDS.

5 Fire fighting measures

Suitable extinguishing agents: CO₂, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective equipment: No special measures required.

6 Accidental release measures

Person-related safety precautions: None required.
Measures for environmental protection: Wipe up with damp sponge or mop.
Measures for cleaning/collecting: No special measures required.
Additional information: No dangerous substances are released.

7 Handling and storage

| | |
|---|-------------------------------|
| Handling | |
| Information on safe handling | No special measures required. |
| Information about protection against explosions and fires | No special measures required. |
| Storage | |
| Requirements to be met by storerooms and receptacles | 2- 8 °C in the dark |
| Information about storage in one common storage facility | No special measures required. |

8 Exposure controls and personal protection

| | |
|---|---|
| Components with limit values that require monitoring at the workplace | Contains no substances with occupational exposure limit values. |
| Personal protective equipment | |
| General protective and hygienic measures | Use usual precautionary measures for handling chemicals. |
| Breathing equipment | None required. |
| Protection of hands | Chemical resistant gloves (i.e. nitrile, or equivalent) |
| Eye protection | Safety glasses |
| Body protection | Protective work clothing (lab coat) |

9 Physical and chemical properties

| | |
|---------------------------------------|----------------|
| General Information | |
| Form | Liquid |
| Color | Orange |
| Odor | Not applicable |
| Specific gravity | Not determined |
| Density | Not determined |
| Evaporation rate | Not determined |
| Boiling point/ Freezing point | Not determined |
| Solubility in/ Miscibility with Water | Soluble |

10 Stability and reactivity

| | |
|--|--|
| Stability | Stable |
| Thermal decomposition/conditions to be avoided | No decomposition if used according to specifications. |
| Hazardous decompositions products | Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen chloride gas. |
| Hazardous polymerization | Will not occur. |

11 Toxicological information

| | |
|--------------------------------------|------------------------------|
| Acute toxicity | |
| Primary irritant effect | |
| On the skin | May cause irritation. |
| On the eye | May cause irritation. |
| Sensitization | No sensitizing effects known |
| Additional toxicological information | |

12 Ecological information

| | |
|--------------------|---|
| Ecological effects | Have not been thoroughly investigated, but currently none have been identified. |
|--------------------|---|

13 Disposal considerations

| | |
|----------------------------|---|
| Product | |
| Recommendation | Smaller quantities can be disposed of with solid waste. Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements. This product is not considered RCRA hazardous waste. |
| Uncleaned package | |
| Recommendation | Disposal must be made according to state and federal regulations. |
| Recommended cleaning agent | Water, if necessary with cleaning agents. |

14 Transportation information

DOT Considered to be non-hazardous for transport.
IATA Considered to be non-hazardous for air transport.

15 Regulatory information

United States regulatory information
SARA Listed No

Canada regulatory information

WHMIS classification Classified in accordance with the hazard criteria of the CPR, and the MSDS contains all information required by the CPR.

DSL No
NDSL No

California Proposition 65 – Chemicals known to cause cancer
None of the ingredients listed.

California Proposition 65 - Chemicals known to cause reproductive toxicity
None of the ingredients listed.

16 Other information

The information, data, and recommendations contained herein are believed to be accurate. Biolog, Inc. makes no warranty of any kind whatever with respect thereto and disclaims all liability from reliance thereon. We reserve the right to revise this MSDS periodically as new information becomes available.

MS74224 Dye Mix D
Date: 24 JUL 2008