



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DYE-LOC
CR14

SECTION 1: PRODUCT INFORMATION

Distributed By: Bridgepoint Systems, 4282 W 590 W, Salt Lake City, Utah 84123
Company Phone Number: 801-261-1282
Emergency Phone Number: 1-800-535-5053 (Infotrac)
Date Prepared: 02/01/2011

Hazard Rating (Zero=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)
Fire: 0 Health: 1 Reactivity: 0

SECTION 2 COMPOSITION/INFORMATION ON COMPONENTS

<u>COMPONENTS</u>	<u>CAS NUMBER</u>	<u>TLV</u>	<u>OSHA PEL</u>
Polymer	Proprietary	N/E	N/E
Amides	Proprietary	N/E	N/E

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical Properties: clear solution with mild odor

IMMEDIATE HEALTH EFFECTS

Eyes: Overexposure may cause irritation to eyes.

Skin: Prolonged and repeated contact may cause irritation to skin.

Inhalation: Inhalation may cause irritation of upper respiratory passages.

Ingestion: Single dose oral toxicity is low. Swallowing large amounts may be harmful.

PRIMARY ROUTES OF ENTRY: Eyes, skin contact/absorption, inhalation or ingestion.

SIGNS/SYMPTOMS OF OVEREXPOSURE: Gastrointestinal irritation (nausea, vomiting, diarrhea), and/or irritation to the skin, eyes, nose, throat, and respiratory tract.

TARGET ORGAN EFFECTS: Irritation of the skin and eyes. Irritation of lungs possible if mists/aerosols are inhaled.

REPRODUCTIVE/DEVELOPMENTAL INFORMATION: No data available.

CARCINOGENIC INFORMATION: None of the ingredients of this material are listed as carcinogens by IARC, NTP, or OSHA.

LONG TERM EFFECTS: No data available.

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SECTION 4 FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes. If irritation persists, consult a physician.

SKIN: If irritation occurs, flush skin with water for at least 15 minutes. If irritation persists, consult a physician

INHALATION: If symptoms of overexposure develop, remove to fresh air. If symptoms persist, consult a physician.

INGESTION: Give 8 to 16 ounces of water to dilute substance. Do not induce vomiting. Consult a physician or local Poison Control Center. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

FLASHPOINT (° Fahrenheit): No flash below boil.

EXPLOSIVE LIMITS: No data available.

AUTOIGNITION TEMPERATURE: No data available.

HAZARDOUS PRODUCTS OF COMBUSTION: In the event of fire, the following may be released: Carbon dioxide and/or carbon monoxide, oxides of nitrogen and sulfur.

EXTINGUISHING MEDIA: Water spray, dry chemical powder of carbon dioxide.

FIRE FIGHTING INSTRUCTIONS: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

NFPA/HMIS RATINGS: Health: 1, Flammability: 0, Reactivity: 0

SECTION 6 ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Vacuum liquid with extraction machine.

LARGE SPILL: : Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants and a NIOSH-approved chemical cartridge respirator with either P-100 or P-95 pre-filters or use a positive pressure self-contained breathing apparatus (SCBA). Cover and contain spill with an absorbent material such as pet litter, sand or vermiculite. Sweep up and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with inert material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove residue. Do not allow wash water to contaminate water supplies by entering floor drains.

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Sweep powders carefully minimizing dusting. Place all spill and contaminated materials into chemical containers and follow disposal instructions. Stop spill at source, contain area of spill to prevent spreading. Vacuum liquid with extraction machine or liquid may be absorbed with inert material such as dry sand, vermiculite, and shoveled into containers. Dispose of through sewage system or to landfill if absorbed into inert material.

SECTION 7 HANDLING AND STORAGE

HANDLING: Handle and open containers with care. Keep from freezing. Always wash thoroughly after handling.

STORAGE: Keep container closed when not in use. Store in a cool, well ventilated place away from incompatible materials.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection...	Use NIOSH approved respirator where there is likelihood of inhalation of product mist, spray or aerosols.
Protective Clothing.....	Wear chemical resistant gloves. Wear safety glasses with side shields or safety goggles.
Ventilation.....	Use local exhaust and ventilation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Tan colored liquid. No noticeable odor

RTU pH: 7.5

VAPOR PRESSURE: No data available.

VAPOR DENSITY: No data available.

BOILING POINT: 212° F

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: No data available

DENSITY: 1.13

IONIC NATURE: Strongly cationic

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SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Not known.

INCOMPATIBILITY: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition products may include, but is not limited to Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

No product animal LD50 or LC50 information is available.

SECTION 12 - ECOLOGICAL INFORMATION

BOD28: 21900 MG/KG COD: 452700 MG/KG

% 28 Day Biodegradability: 21900 (Test Method OECD 3010-D) _____ x 100 = 5%

Biodegradability 452700

ASRIT EC50: 246.8 MG/L

(Activated Sludge Respiration Inhibition Test Method OECD 209)

Ceriodaphnia 48-h EC50: 2.2 MG/L

(Test Method OECD 202)

All ecological test results are based on the active ingredients in the product.

SECTION 13 DISPOSAL CONSIDERATIONS

Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. **All disposal must be in accordance with all federal, state and local regulations.**

SECTION 14 TRANSPORT INFORMATION

No restrictions for Ground, Air, or Maritime Transportation in accordance with 49 CFR parts 100-185.

SECTION 15 REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA Status: The intentional components of this product are listed.

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SECTION 16: OTHER INFORMATION

This product has no established regulatory information. All regulatory information given is based on individual components of the mixture by component number. While this information and recommendations set forth herein are believed to be accurate and reliable, it is provided without warranty regarding its accuracy. BRIDGEPOINT SYSTEMS MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. Users must determine safe conditions for use and assume liability for any loss, injury, damage or expense resulting from use of this product.

N/A= Not applicable N/D= Not determined N/E= Not established