

Safety Data Sheet (SDS) for SkyPaint DNA

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Revision History

Revision	Changes Description	Date
A	Original Release	20/8/07
B	Add Release letter	09/07/08
C	Revisions	12/6/12
D	ECO 13-352	25 Nov 2013

Approvals list

	Title	Name	Signature	Date
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Safety Data Sheet (SDS) for SkyPaint DNA

Product name: SkyPaint DNA (P/N: FPRPR0028; FPRPR0029; FPRPR0030; FPRPR0031; FPRPR00173; FPRPR00174; FPRPR00198)

Vial 1: Human SKY Reagent

Component A: FORMAMIDE DEIONIZED, MOLECULAR BIOLOGY REAGENT

Concentration: 50%

COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 75-12-7

Molecular Formula: CH₃NO

EC NO: 200-842-0

Molecular Weight: 73.09

HAZARDS IDENTIFICATION

- Toxic.
- May cause harm to the unborn child.
- Risk of serious damage to eyes.
- Irritating to respiratory system and skin.
- Target organ(s):
- Blood.
- Central nervous system.
- Readily absorbed through skin.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear suitable protective clothing, gloves and eye/face protection.
- Do not breathe vapor.

FIRST-AID MEASURES

- In case of skin contact, immediately flush skin with copious.
- Amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.
- If swallowed, wash out mouth with water provided person is conscious. Call a physician.
- If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- In case of contact with eyes, flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Call a physician.

FIRE FIGHTING MEASURES

- Extinguishing media - water spray, carbon dioxide, dry chemical powder or appropriate foam.
- Special firefighting procedures
- Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

PHYSICAL AND CHEMICAL PROPERTIES

Physical properties

Boiling point: 60 - 62 c

Melting point: 2 c

Flashpoint: 302 f, 150 c

Vapor pressure: 30 mmhg

Specific gravity: 1.132

Vapor density: 1.55 g/l

STABILITY AND REACTIVITY

- Stability: stable.
- Conditions to avoid: Protect from moisture.
- Incompatibilities: protect from moisture.
- Acids: strong oxidizing agents.
- Bases: hazardous combustion or decomposition products.
- Carbon monoxide, carbon dioxide, nitrogen oxides.
- Hazardous polymerization not occurs.

Product name: SkyPaint DNA

Vial 1: Human SKY Reagent

**Component B: DEXTRAN SULFATE -SODIUM
MOLECULAR BIOLOGY REAGENT**

Catalog Number: 001

Unit Size: 100µl

COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 9011-18-1

SYNONYMS

ASURO * DEXNON * DEXTRAN, HYDROGEN SULFATE, SODIUM SALT (9CI) *

DEXTRAN SODIUM SULFATE * DEXTRAN SULFATE SODIUM SALT * DEXTRARINE *

DEXULATE * DS-M-1 * MDS * MDS (POLYSACCHARIDE) * SODIUM DEXTRAN

SULFATE *

HAZARDS IDENTIFICATION

- Label precautionary statements
- Caution: avoid contact and inhalation.

FIRST-AID MEASURES

- If swallowed, wash out mouth with water provided person is conscious. Call a physician.
- If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
- In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
- In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

FIRE FIGHTING MEASURES

- Extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.
- Special firefighting procedures.
- Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

ACCIDENTAL RELEASE MEASURES

- Wear protective equipment.
- Sweep up, place in a bag and hold for waste disposal.
- Avoid raising the ventilate area and wash spill site after material pickup is complete.

HANDLING AND STORAGE

- Wear appropriate niosh/msha-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.
- Mechanical exhaust required.

STABILITY AND REACTIVITY

- Stability: stable.
- Not a significant hazard in these quantities.

Product name: SkyPaint DNA

Vial 1: Human SKY Reagent

Components: C,D,E,F,G,H,I (*see Appendix A)

Catalog Number: 001

Unit Size: 100µl

Products listed above do not contain any hazardous components above 1% or any carcinogens above 0.1% as defined in 29 CFR 1910.1200, the OSHA Hazard Communication Standard.

Therefore, Material Safety Data Sheets are not required. We recommend treating all chemicals with caution.

Product name: SkyPaint DNA

Vial 2: Blocking reagent

Components: D,K, (*see Appendix A)

Catalog Number: 002

Unit Size: 1000µl

Products listed above do not contain any hazardous components above 1% or any carcinogens above 0.1% as defined in 29 CFR 1910.1200, the OSHA Hazard Communication Standard.

Therefore, Material Safety Data Sheets are not required. We recommend treating all chemicals with caution.

Product name: SkyPaint DNA

Vial 5: Anti-fade DAPI Reagent

Components: P,Q (*see Appendix A)

Catalog Number: 005

Unit Size: 200µl

Products listed above do not contain any hazardous components above 1% or any carcinogens above 0.1% as defined in 29 CFR 1910.1200, the OSHA Hazard Communication Standard.

Therefore, Material Safety Data Sheets are not required. We recommend treating all chemicals with caution.

Appendix A

List of reagents:

- C - Cot-I**
- D- 20XSSC**
- E- DYE 505X5 ADDUTP (Green)**
- F- DY 560 AADUTT (Orange)**
- G- DY 590 aaDUTP (Texas Red)**
- H- Dy Biotin dUTP**
- I- Digoxigenin dUTP**
- J- DY415 AA DUTP (AQUA)**
- K- Bovine Serum Albumin (BSA)**
- P- DAPI**
- Q- Anti fade**

