

TREVIGEN[®]

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL IDENTIFICATION

PRODUCT NAME: Rat Mesenchymal Stem Cell **Osteogenic Differentiation Kit**

CATALOG NUMBERS: **5011-024-K, 5010-024-01, 5011-024-01, 5011-024-02, 5011-024-03**

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

KIT COMPONENTS:

CHEMICAL NAME:	Dexamethasone	
	CAS#: none	SARA 313: No
	Ascorbic Acid	
	CAS#: none	SARA 313: No
	B-Glycerol Phosphate	
	CAS#: none	SARA 313: No
	Alizarin Red S	
	CAS#:none	SARA 313: No
	Stain Solubilization Solution	
	CAS#:none	SARA 313: No

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: Alizarin Red is a Potential Irritant. Irritating to eyes, respiratory system and skin.

HMIS RATING: Health: 1 Flammability: 0 Reactivity: 0

NFPA RATING: Health: 1 Flammability: 0 Reactivity: 0

Potential Health Effects: Please see individual component MSDS

Inhalation: May be harmful; material may be irritating to mucous membranes and upper respiratory tract.

Skin: May be harmful if absorbed through the skin; causes skin irritation.

Eyes: May cause eye irritation. Avoid vapor or mist.

Ingestion: Toxic if swallowed.

SECTION 4: FIRST-AID MEASURES

Eye exposure: In case of contact, flush eyes with plenty of water for 15 minutes and consult physician.

Oral exposure: If swallowed, wash out mouth with water provided person is conscious and consult physician-provide MSDS sheet to doctor.

Dermal exposure: In case of contact, wash with plenty of soap and water and consult physician.

Inhalation exposure: If inhaled, remove to fresh air. If breathing with difficulty, give oxygen. If not breathing, give artificial respiration. If breathing difficulty occurs, contact physician.

Clothing: Wash contaminated clothing before reuse.

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SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media:

Water spray

Carbon dioxide, dry chemical powder or appropriate foam

Special fire fighting procedures:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Please see individual MSDS for kit components

SECTION 7: HANDLING AND STORAGE

HANDLING: Refer to section 8.

STORAGE: Suitable: Keep tightly closed in the dark. Light sensitive.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical safety goggles

Compatible chemical-resistant gloves

NIOSH/MSHA-Approved respirator not required if kit is used according to the instructions

Avoid inhalation of kit components

Avoid contact with eyes, skin and clothing

Avoid prolonged or repeated exposure

Wash thoroughly after handling

Keep containers tightly closed

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: Liquids

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Incompatibilities: Strong oxidizing agents

Hazardous combustion or decomposition products: Nature of decomposition products not known

SECTION 11: TOXICOLOGICAL INFORMATION

Acute effects:

May be harmful by inhalation, ingestion, or skin absorption

May cause eye irritation

May cause skin irritation

May be irritating to mucous membranes and upper respiratory tract

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Data not yet available

SECTION 13: DISPOSAL CONSIDERATIONS

Mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Dispose of contaminated packaging as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT (US): Flammable

IATA: Class II; Group 2

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SECTION 15: REGULATORY INFORMATION

OSHA Hazards: Irritant

TSCA Status: Yes

DSL Status: Canadian DSL and NDSL: Dexamethasone. Ascorbic Acid, β -glycerol phosphate, Alizarin Red S and Stain Solubilization Solution are not on the Canadian DSL or NDSL lists.

SARA 302: No

SARA 313: No

SARA 311/312: Acute health hazard

Caution: kit components not thoroughly investigated.

SECTION 16: OTHER INFORMATION

The above information is believed to be correct, however, the physical, chemical, and toxicological properties of the product may not yet have been fully characterized. Trevigen recommends the use of gloves, lab coats and eye protection while using or handling this product. Trevigen assumes no liability for damage resulting from handling or contact with the above product. This MSDS does not represent any guarantee of the properties of the product.

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